

F, g, 1
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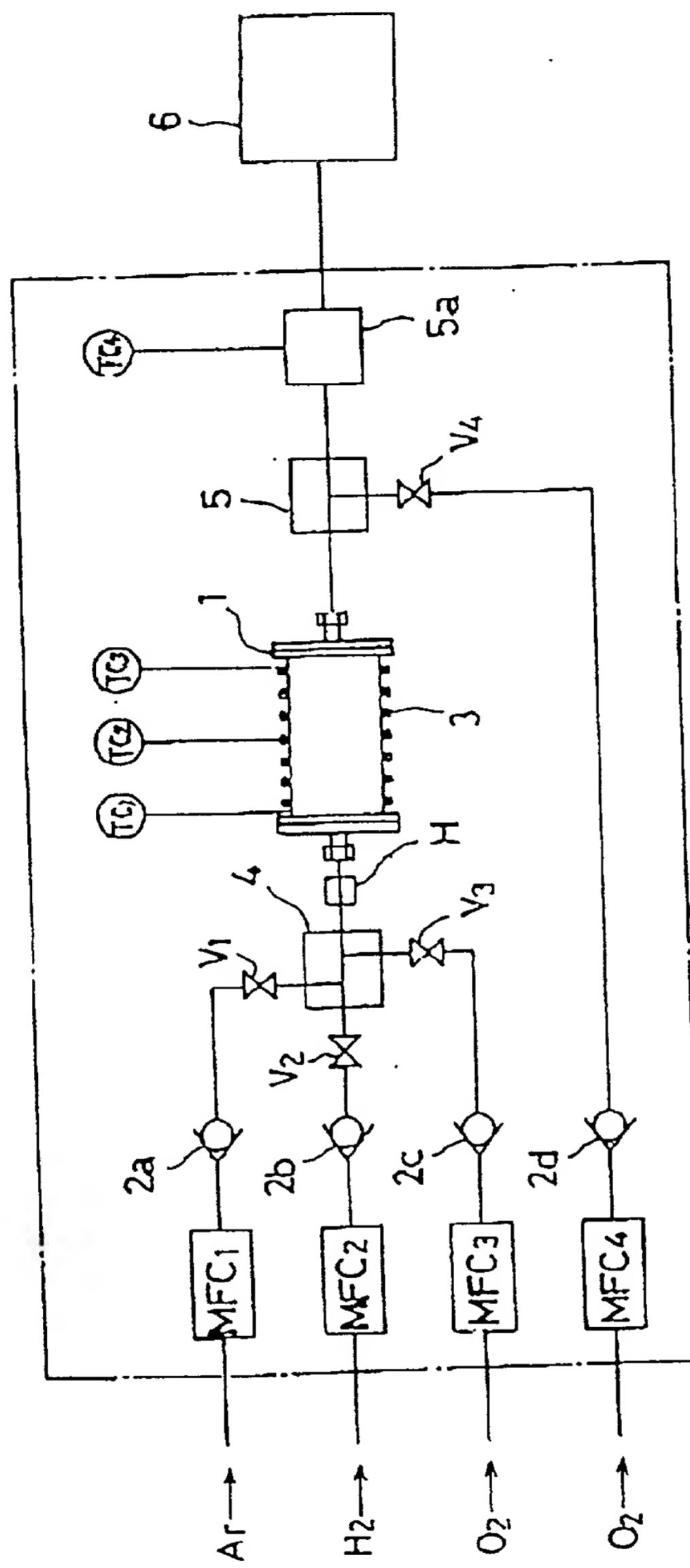


Fig. 2

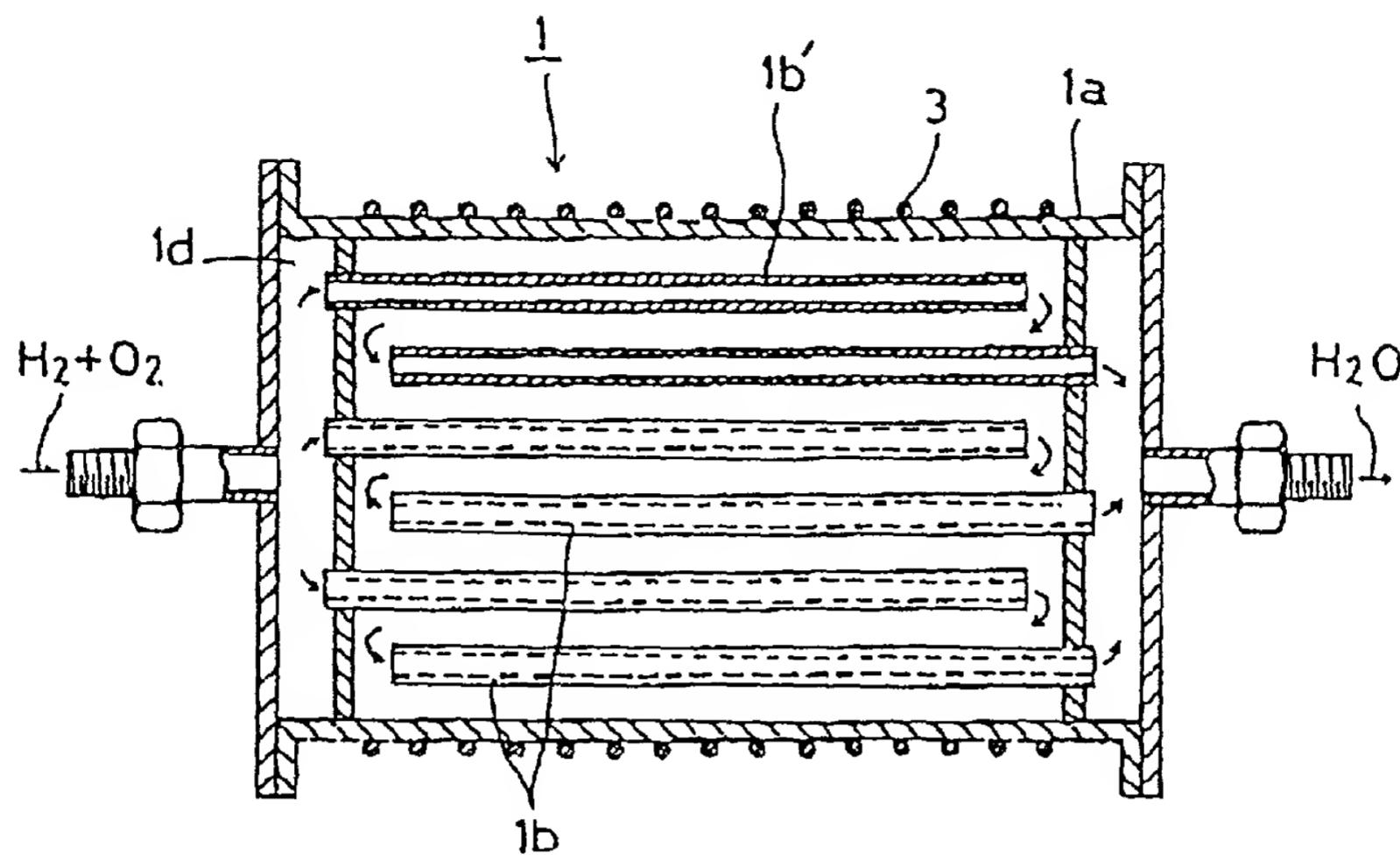
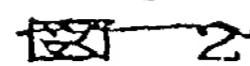


Fig. 3

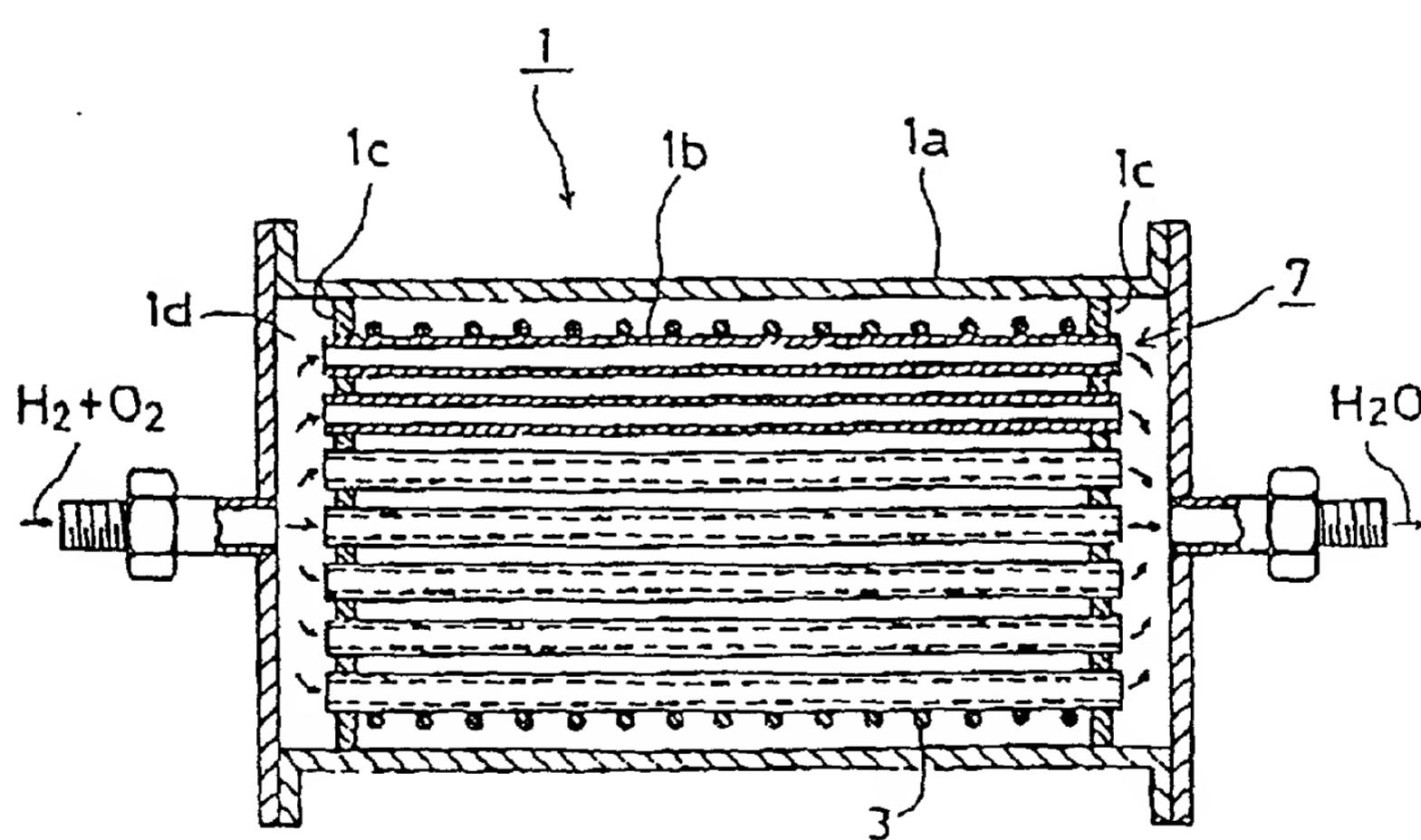
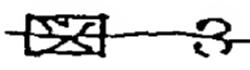


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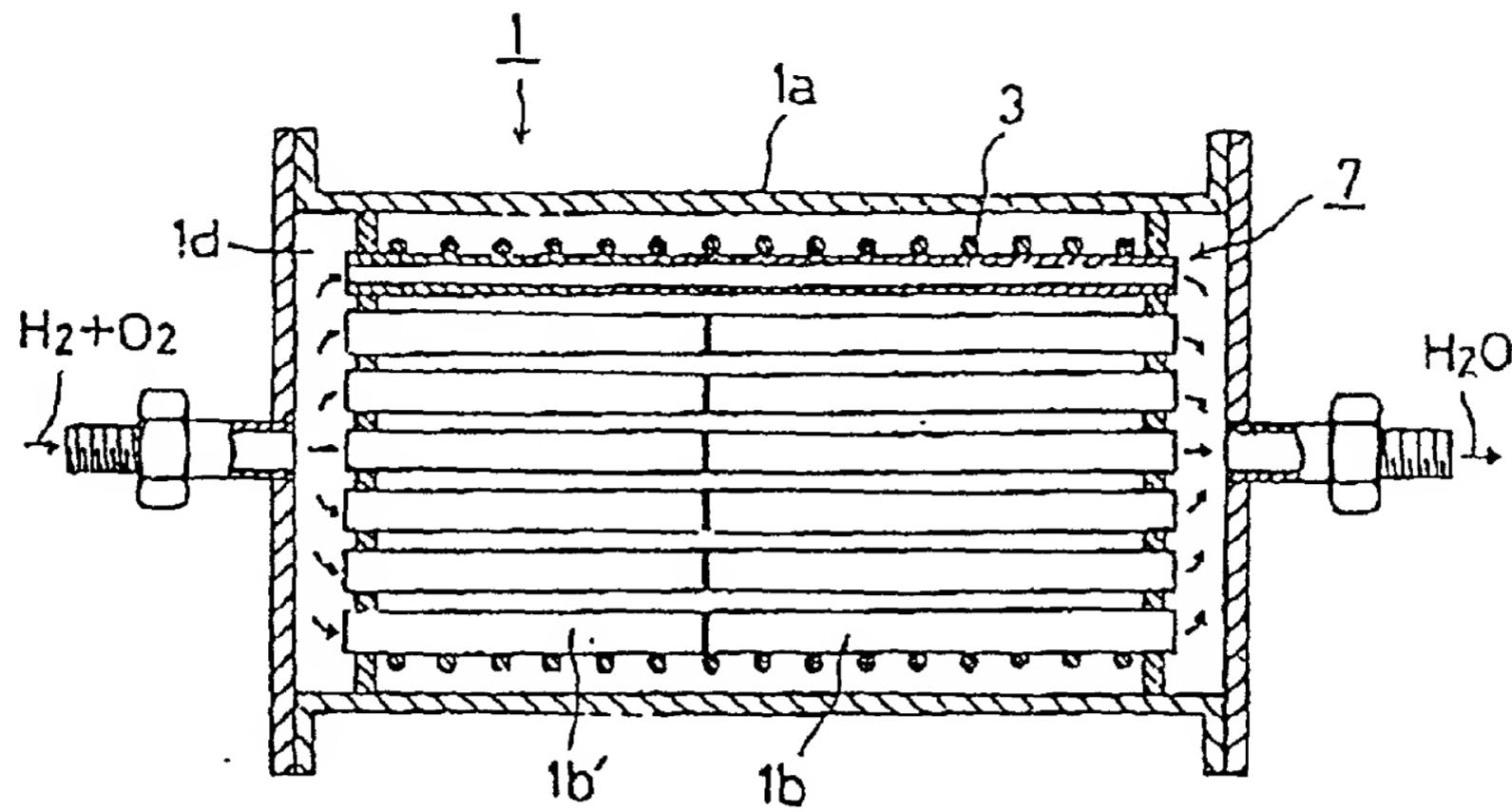


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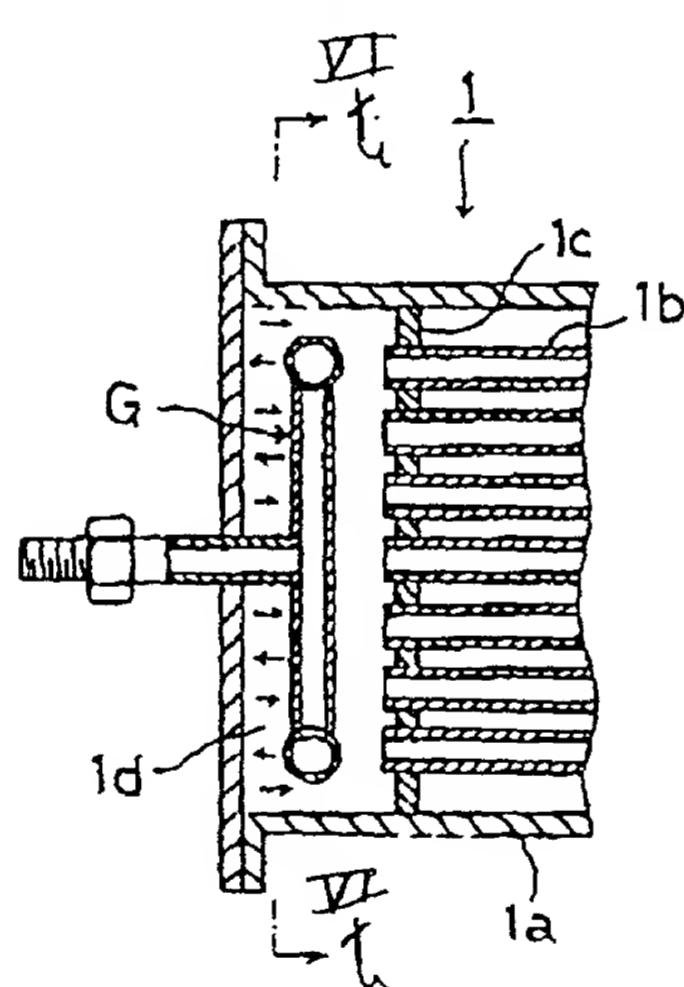


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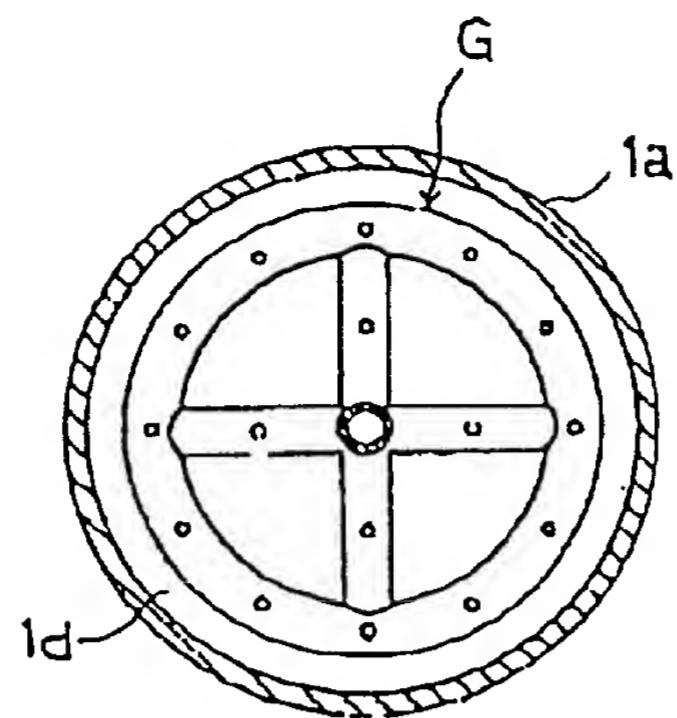


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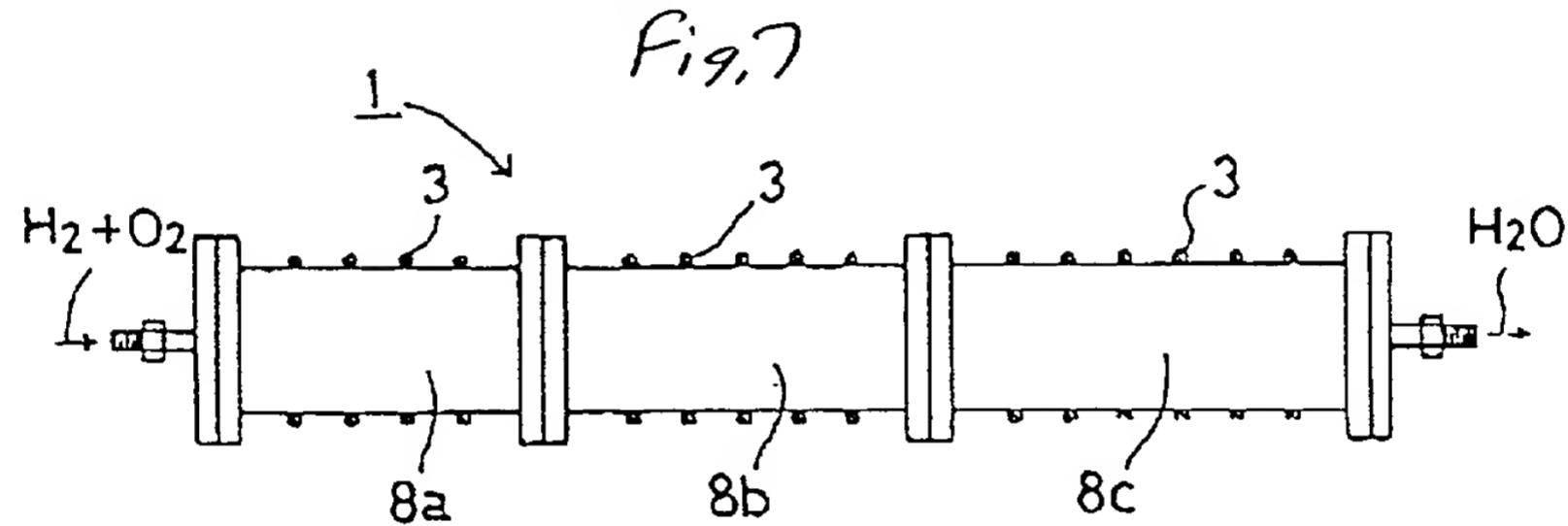


Fig. 8

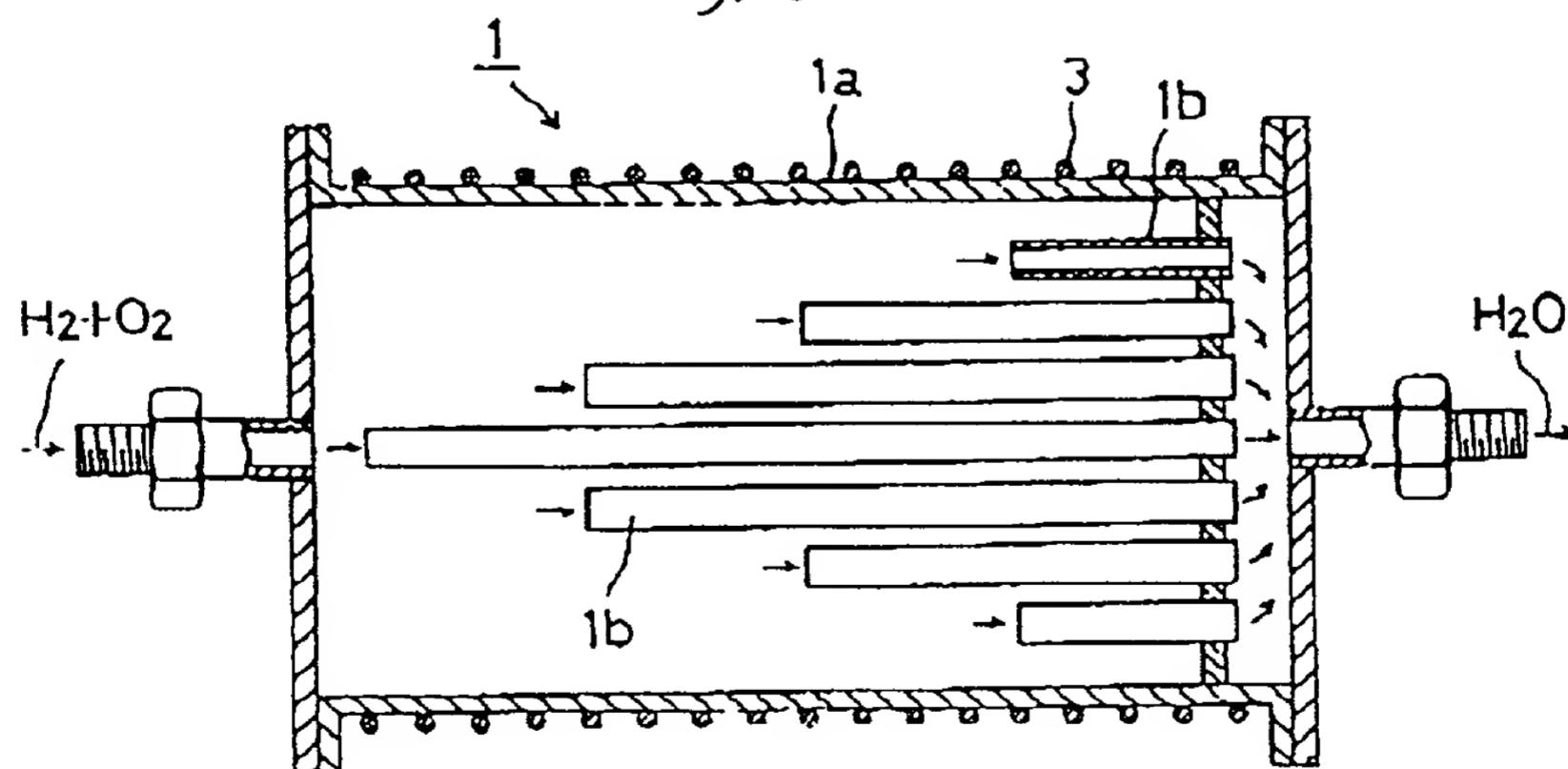


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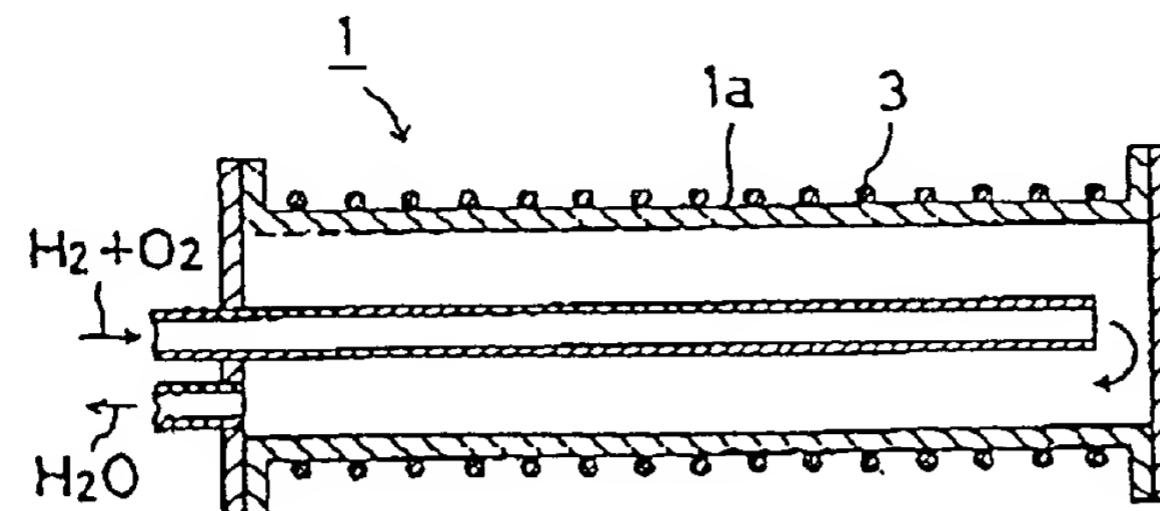


Fig. 10

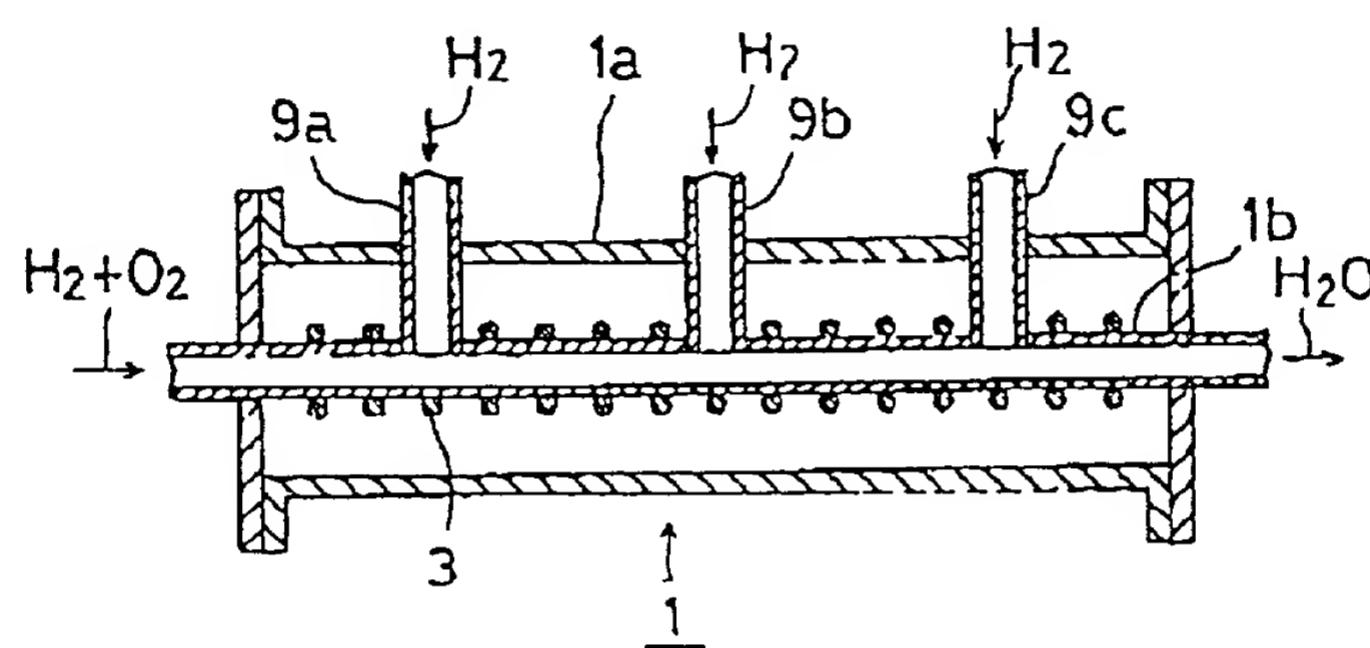


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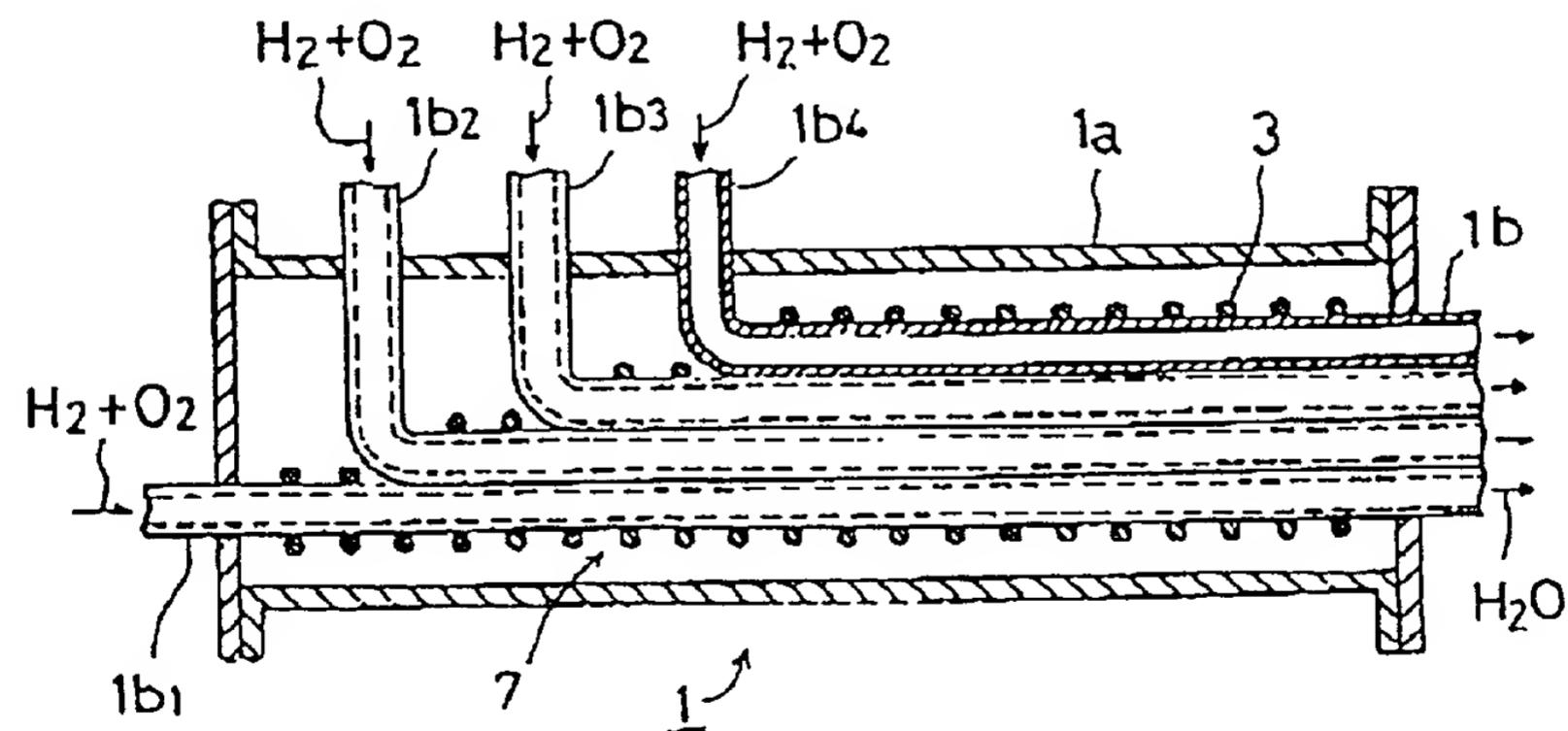
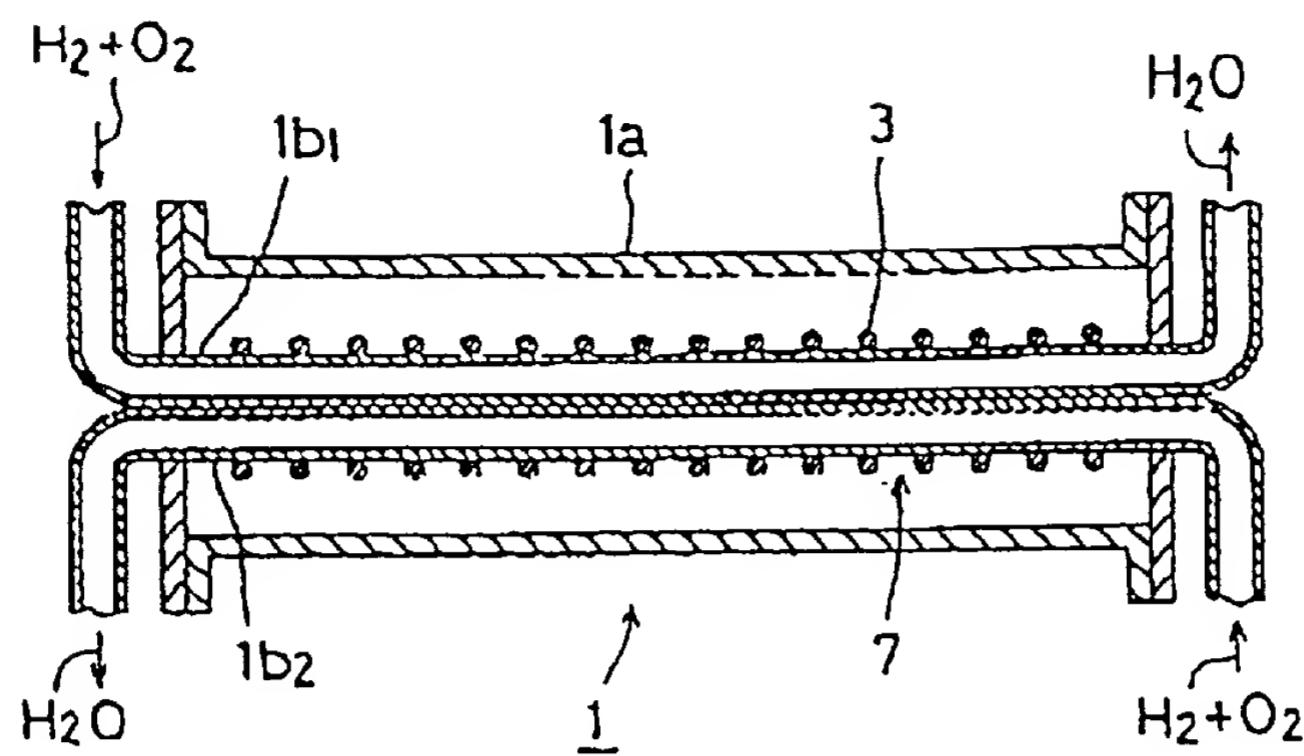


Fig. 12

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Fig. 13

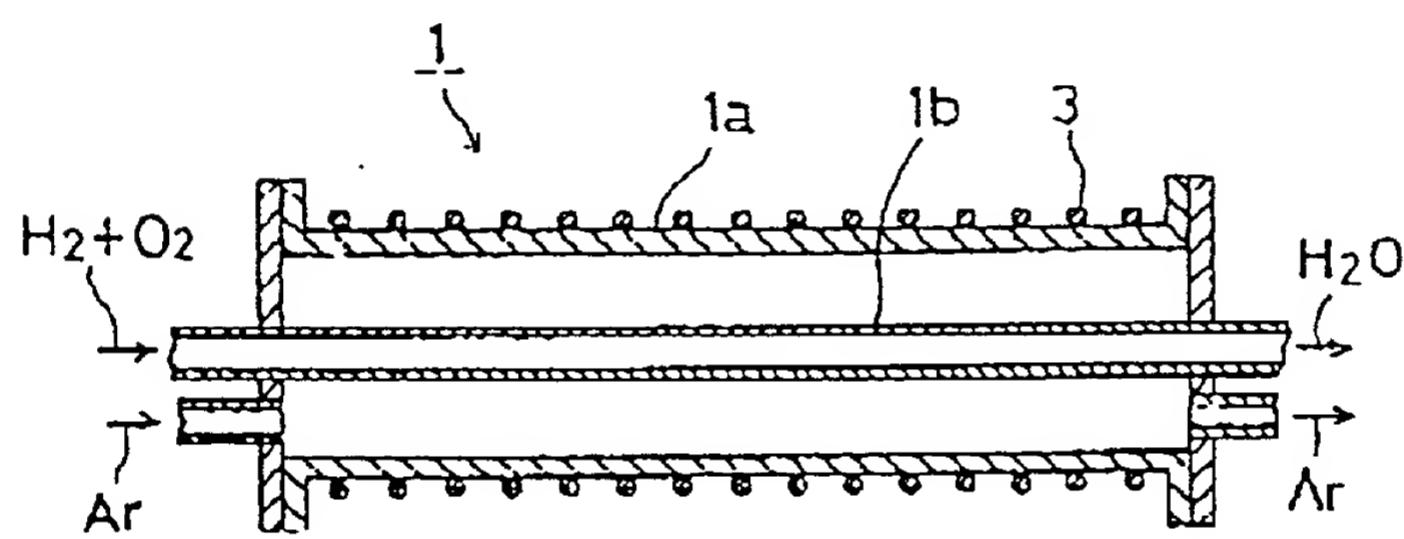


Fig. 14

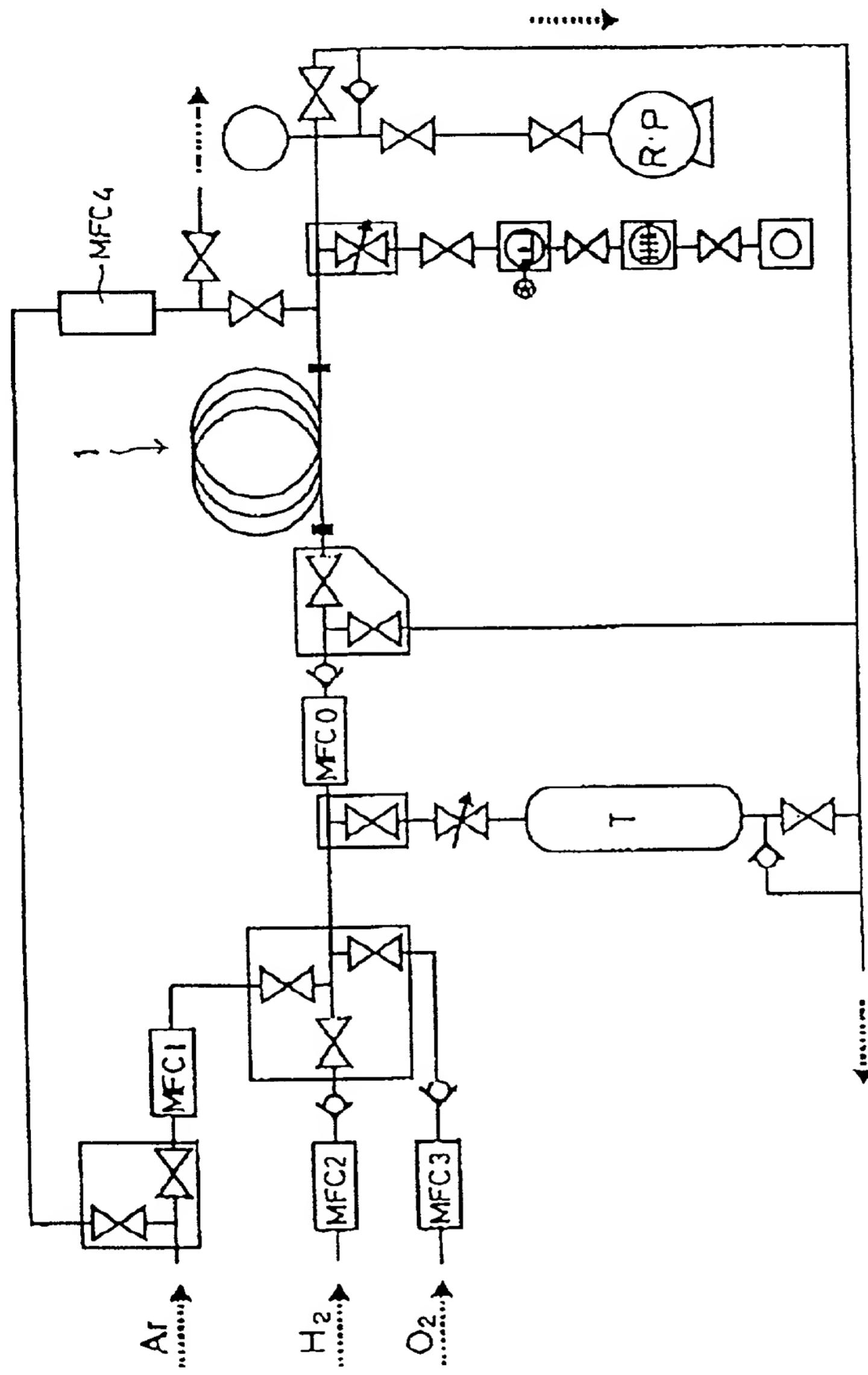


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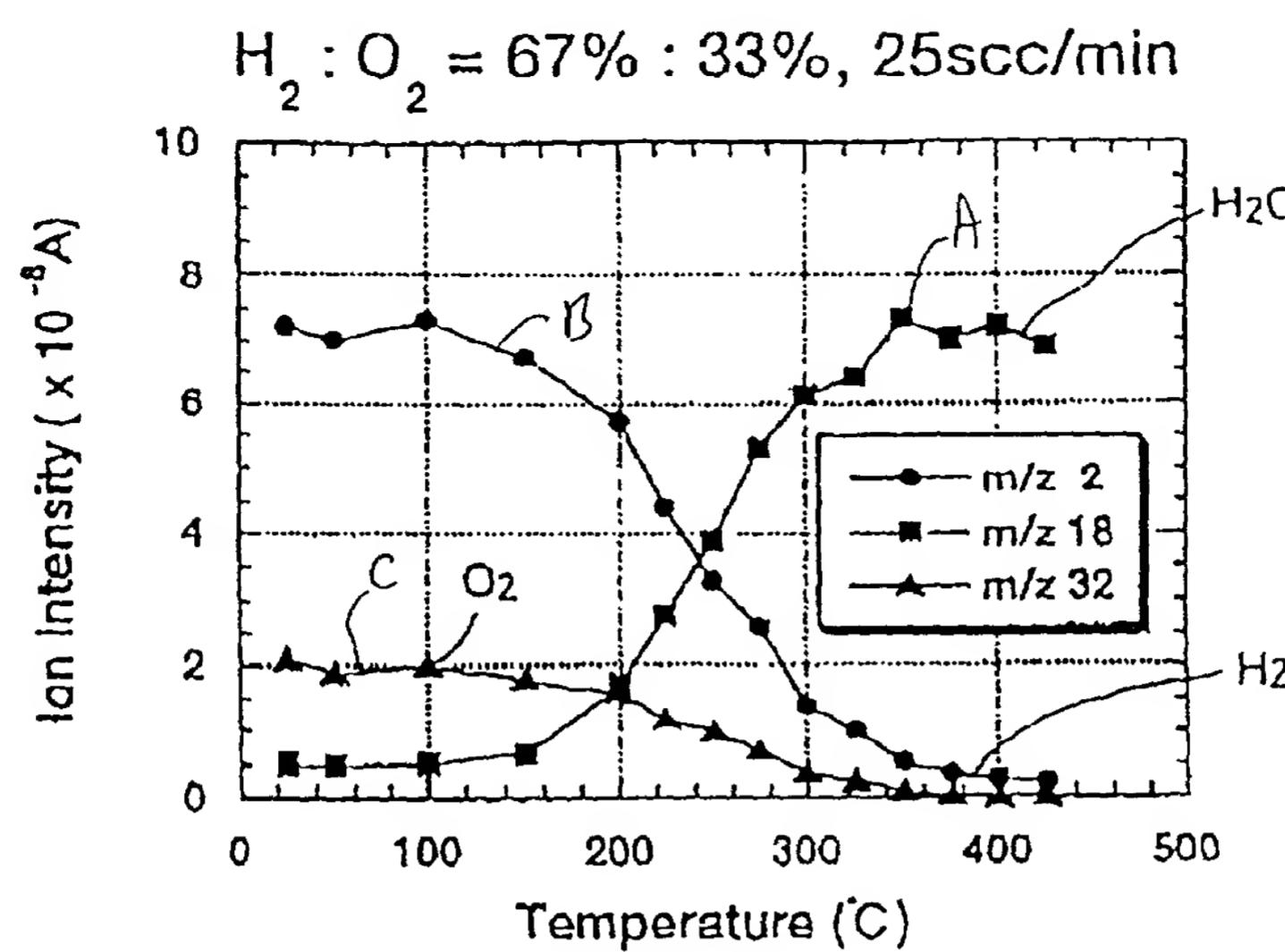
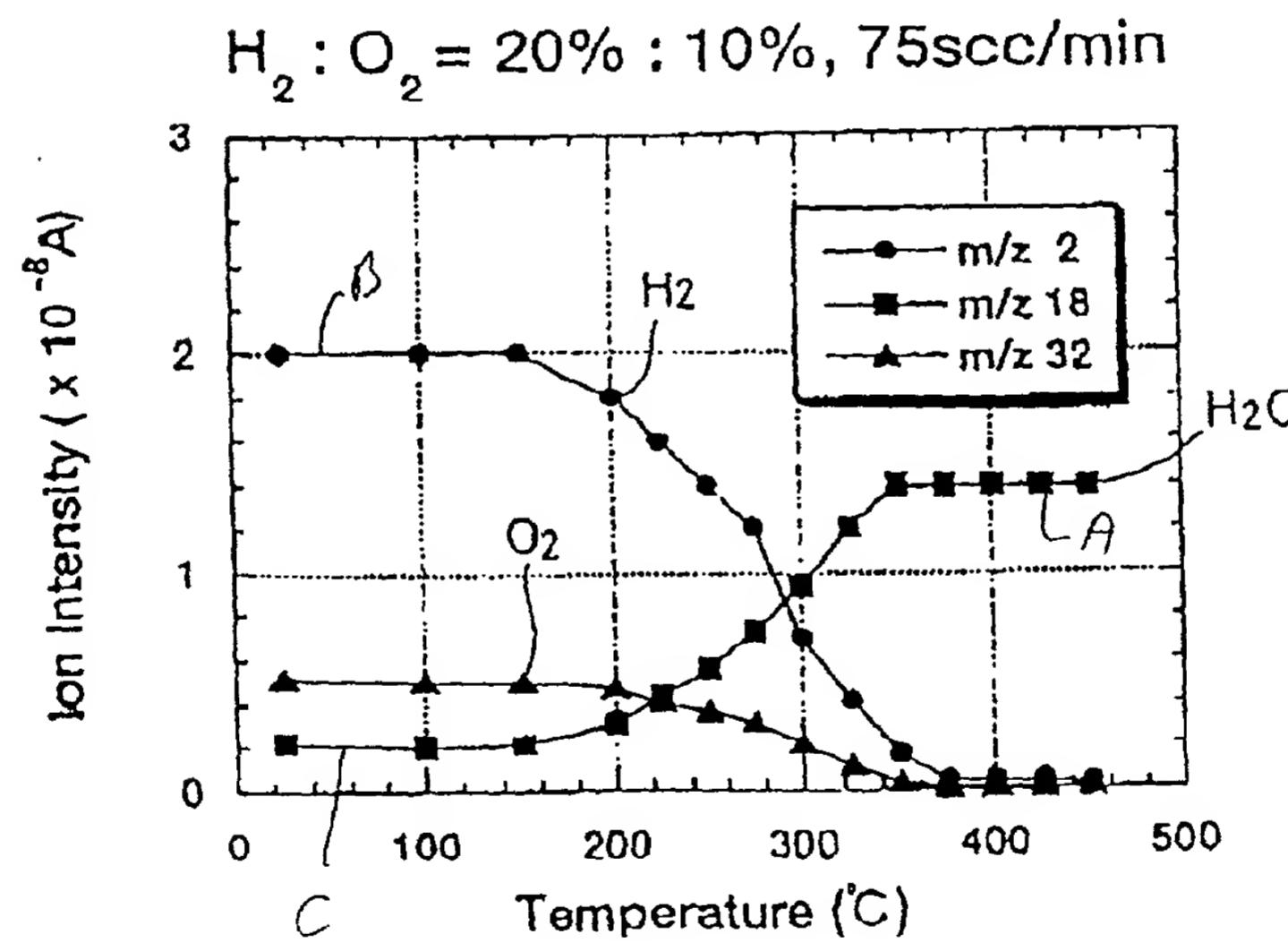
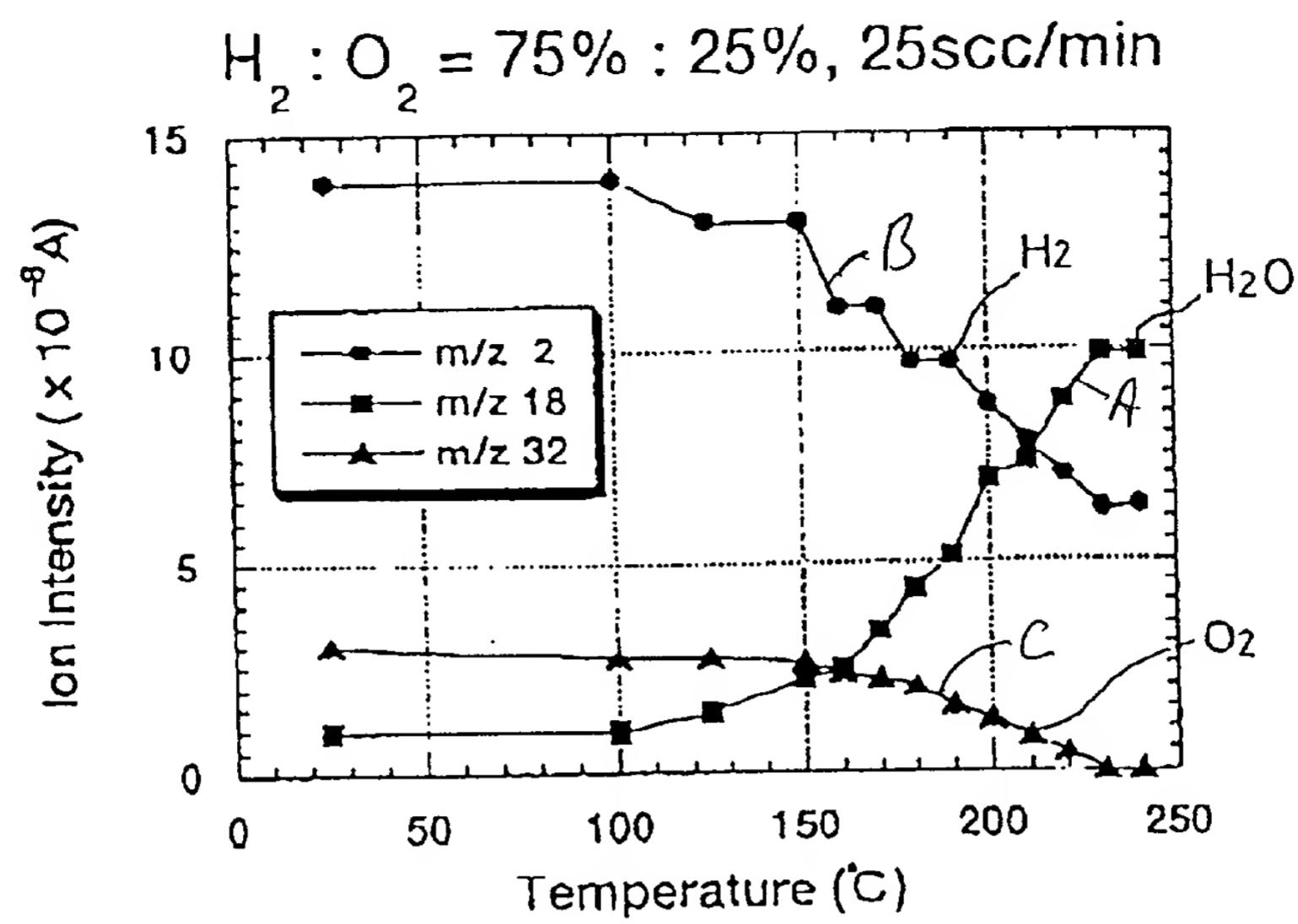
~~Fig. 15~~~~Fig. 16~~

Fig. 17
- 17



- 18 Fig. 18

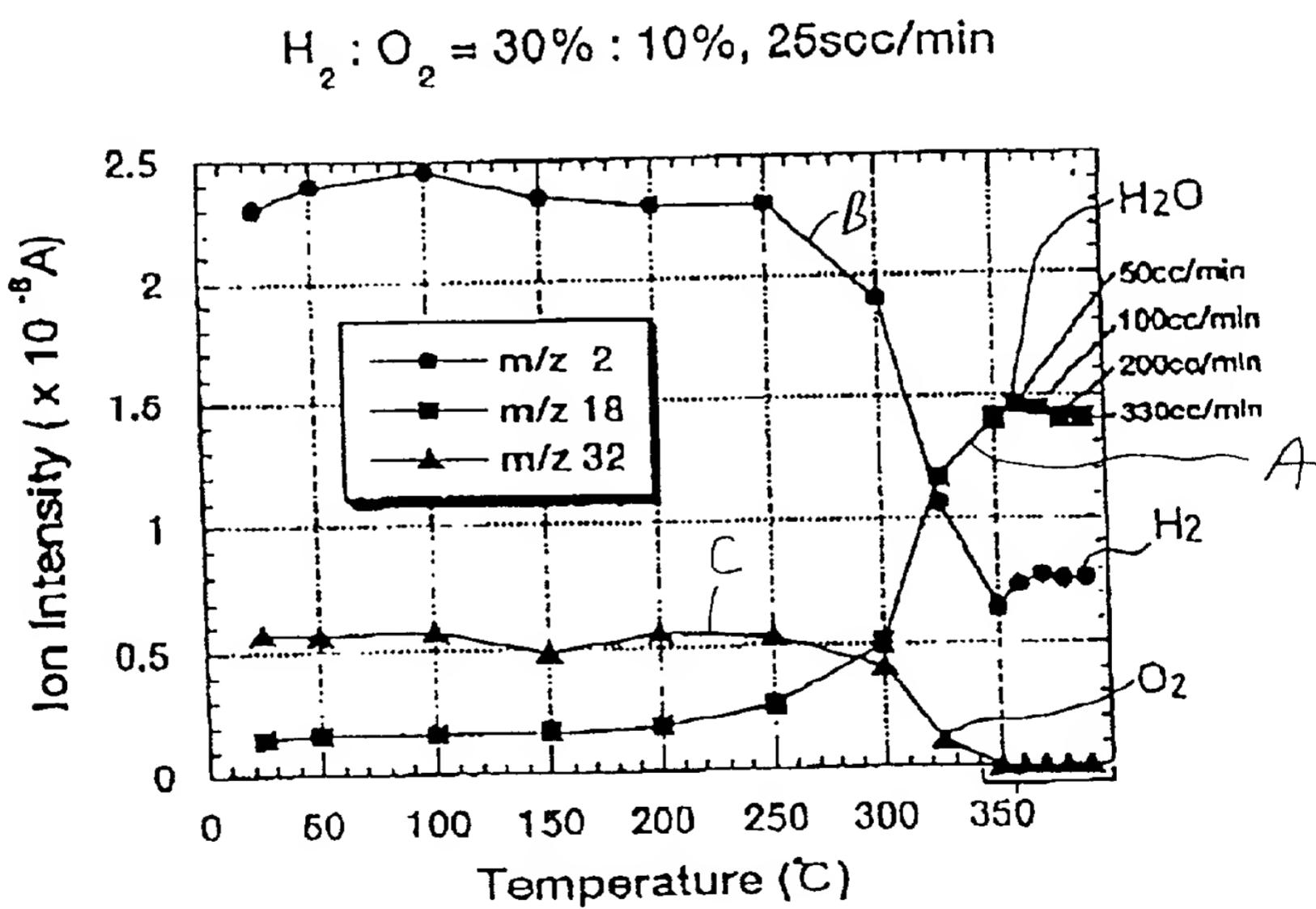


Fig. 19

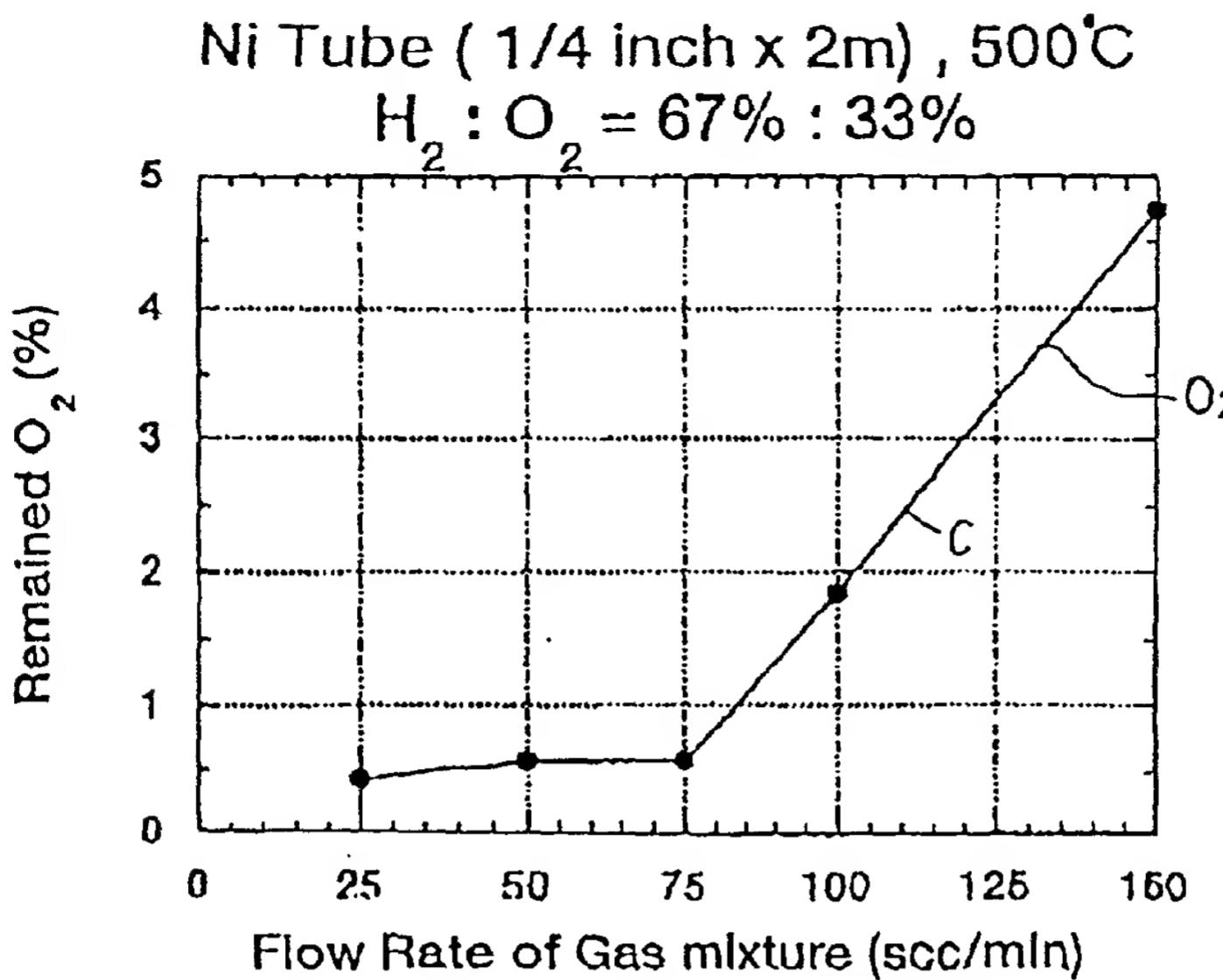
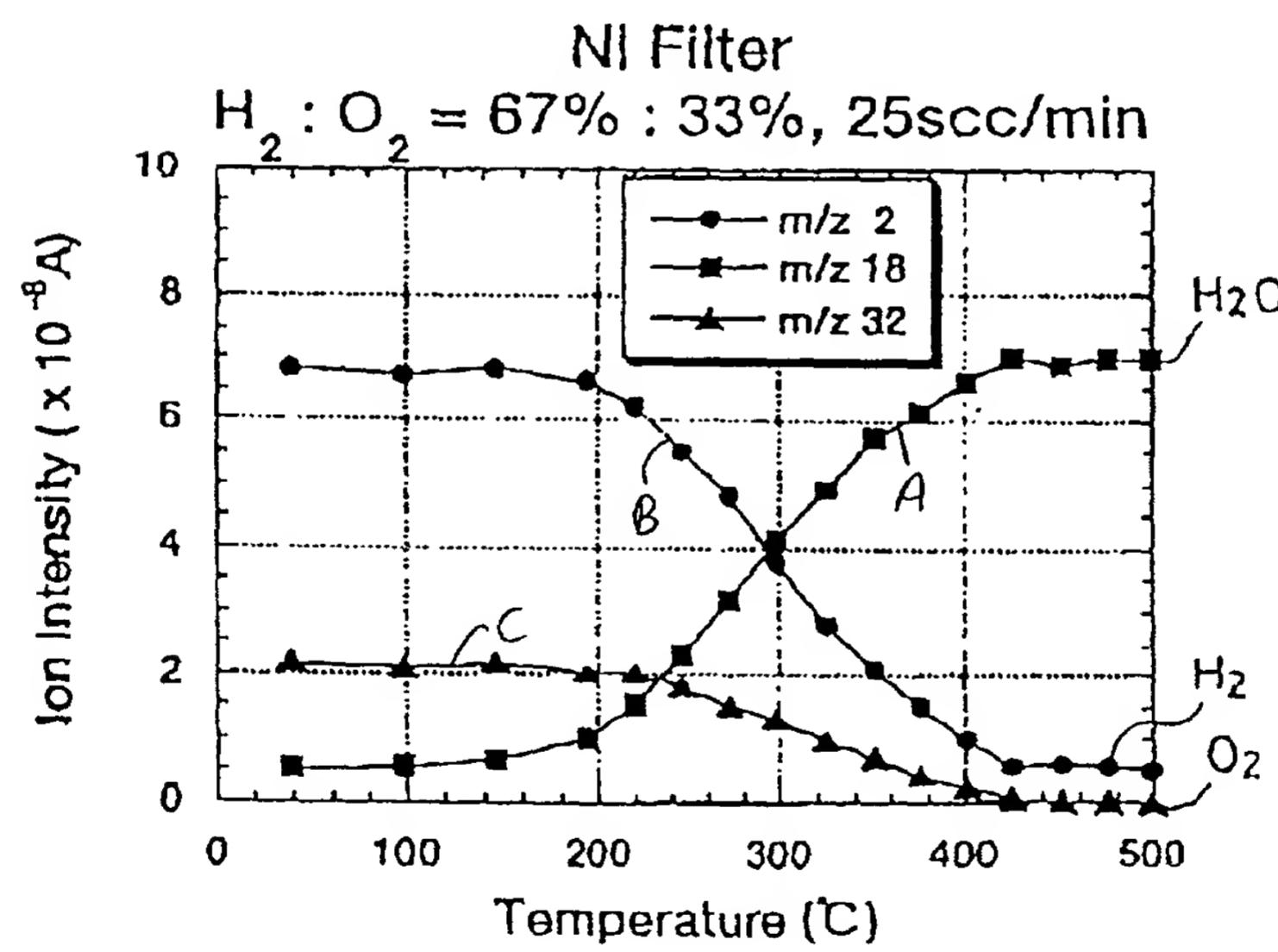
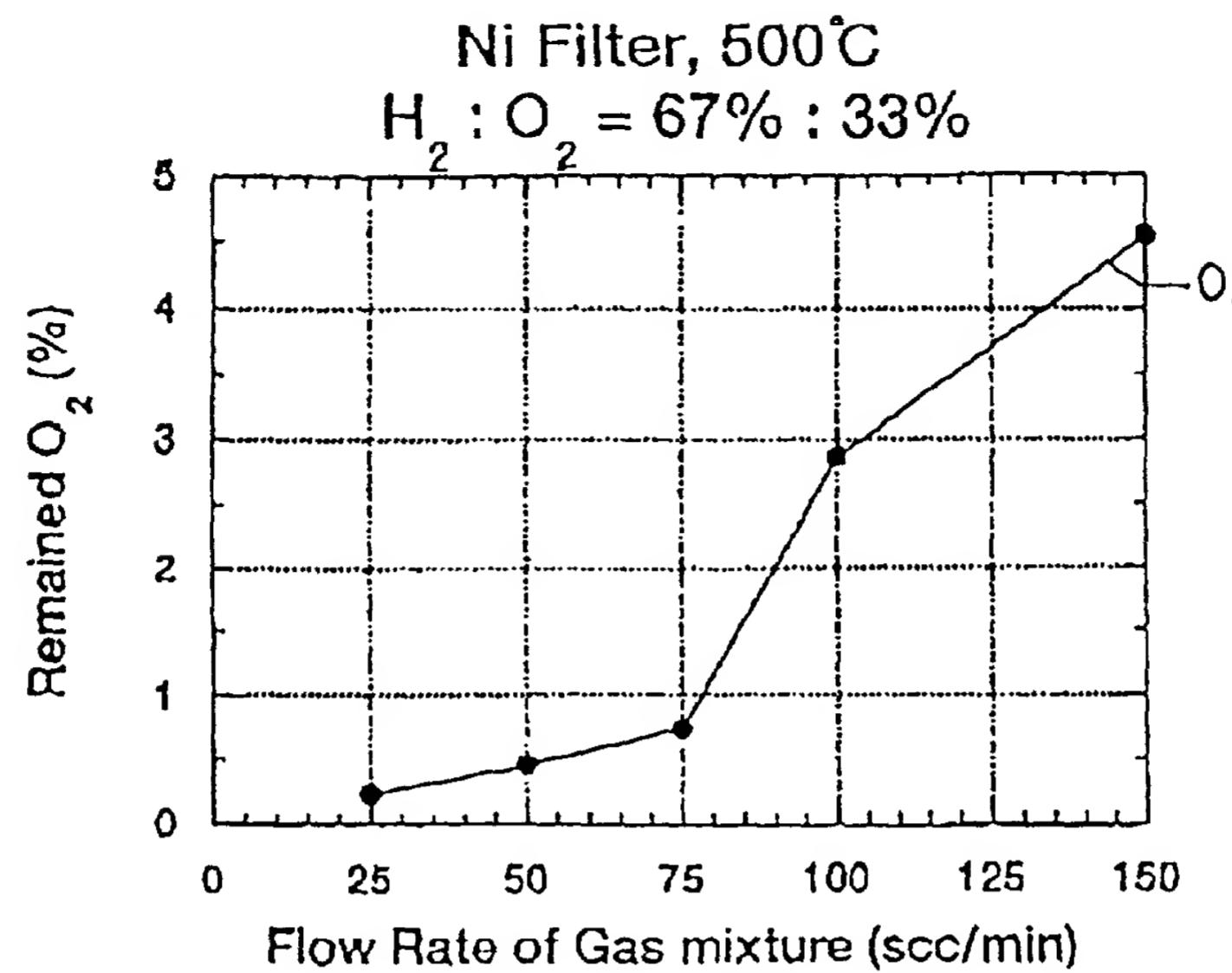


Fig. 20



EX-21

Fig. 2/



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Fig. 22

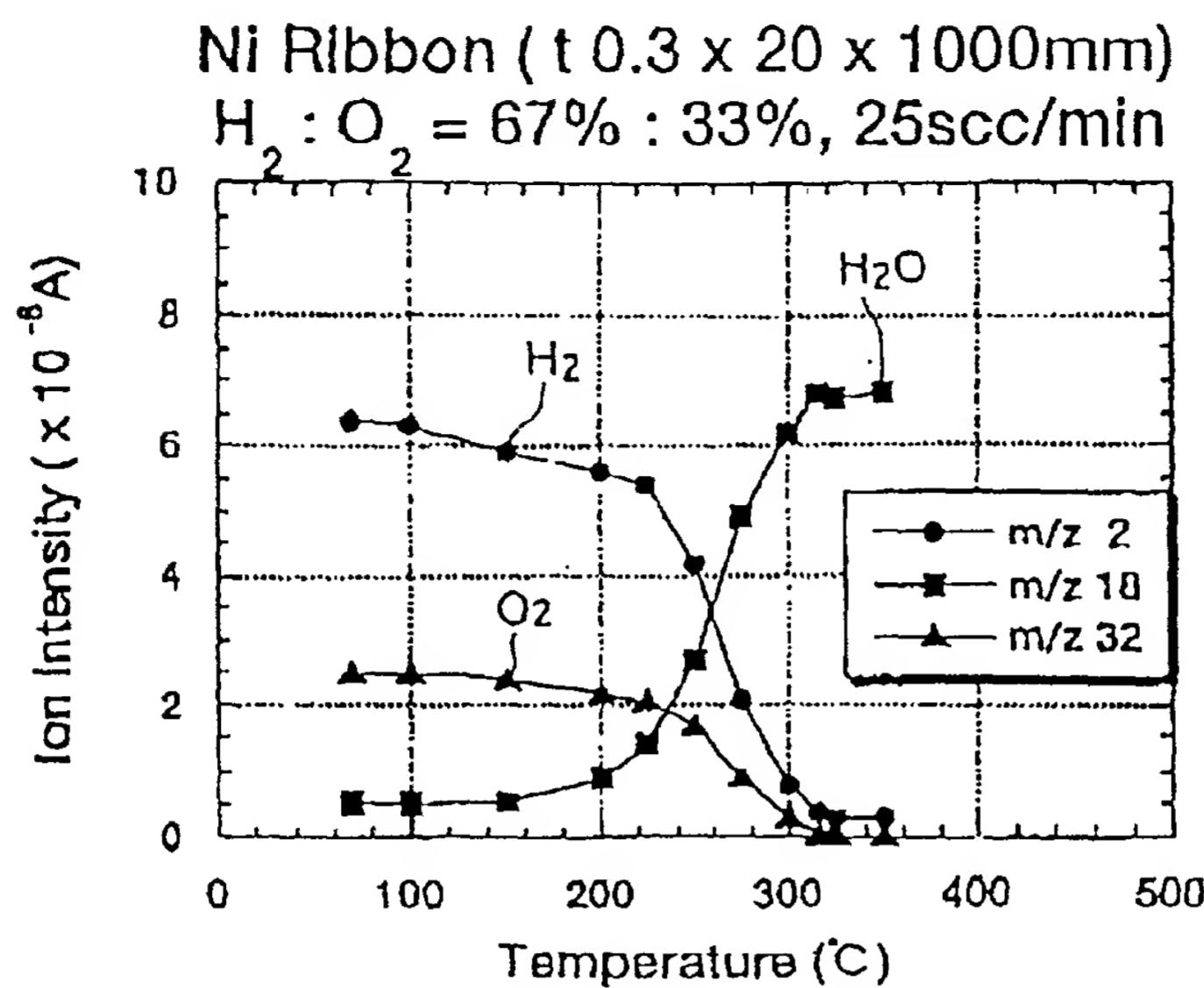


Fig. 23
23

Ni Ribbon ($t = 0.3 \times 20 \times 1000\text{mm}$), 500°C
 $\text{H}_2 : \text{O}_2 = 67\% : 33\%$

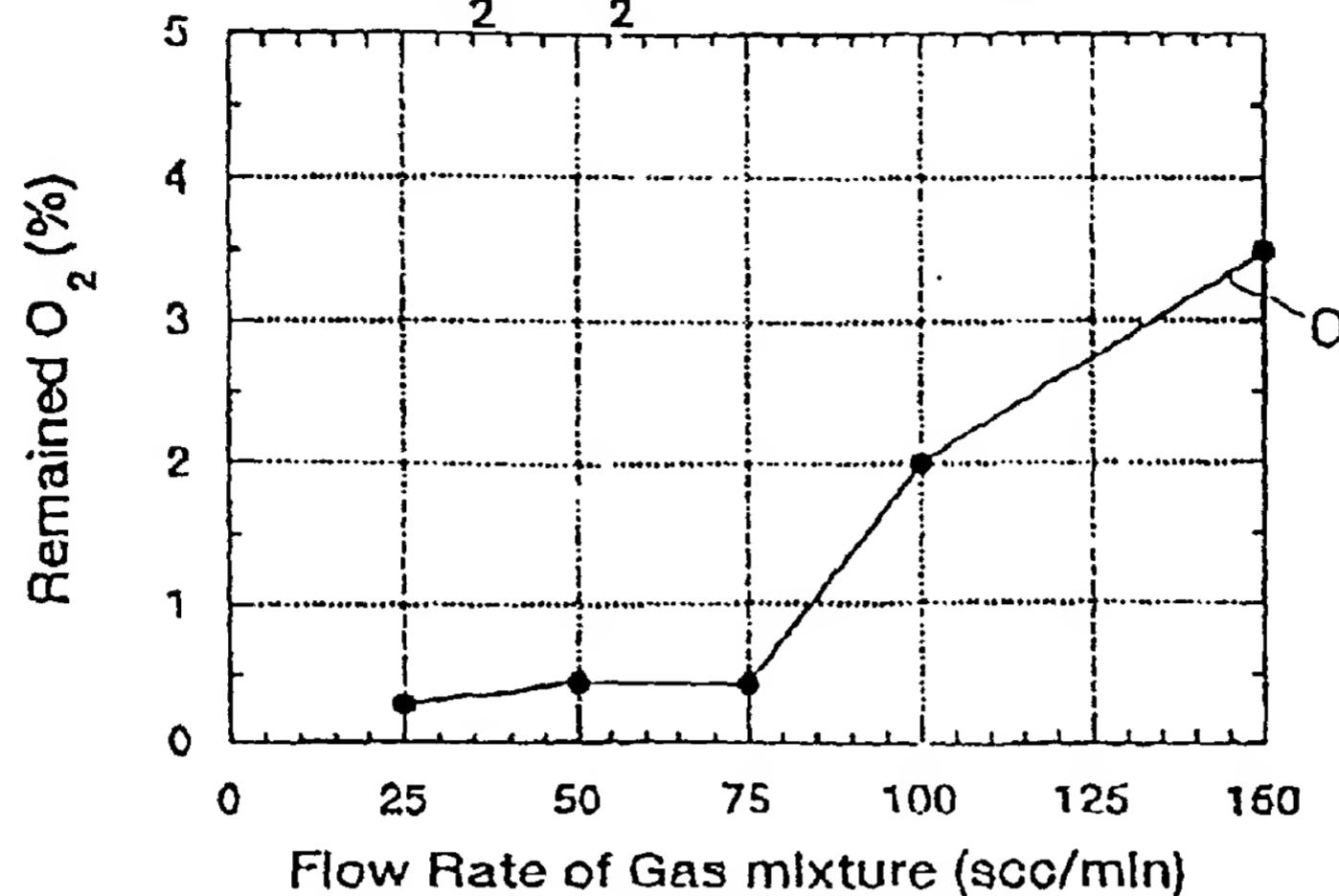


Fig. 24

500°C , 25scc/min
RESPONSIVENESS (AFTER STOP OF GAS SUPPLY)

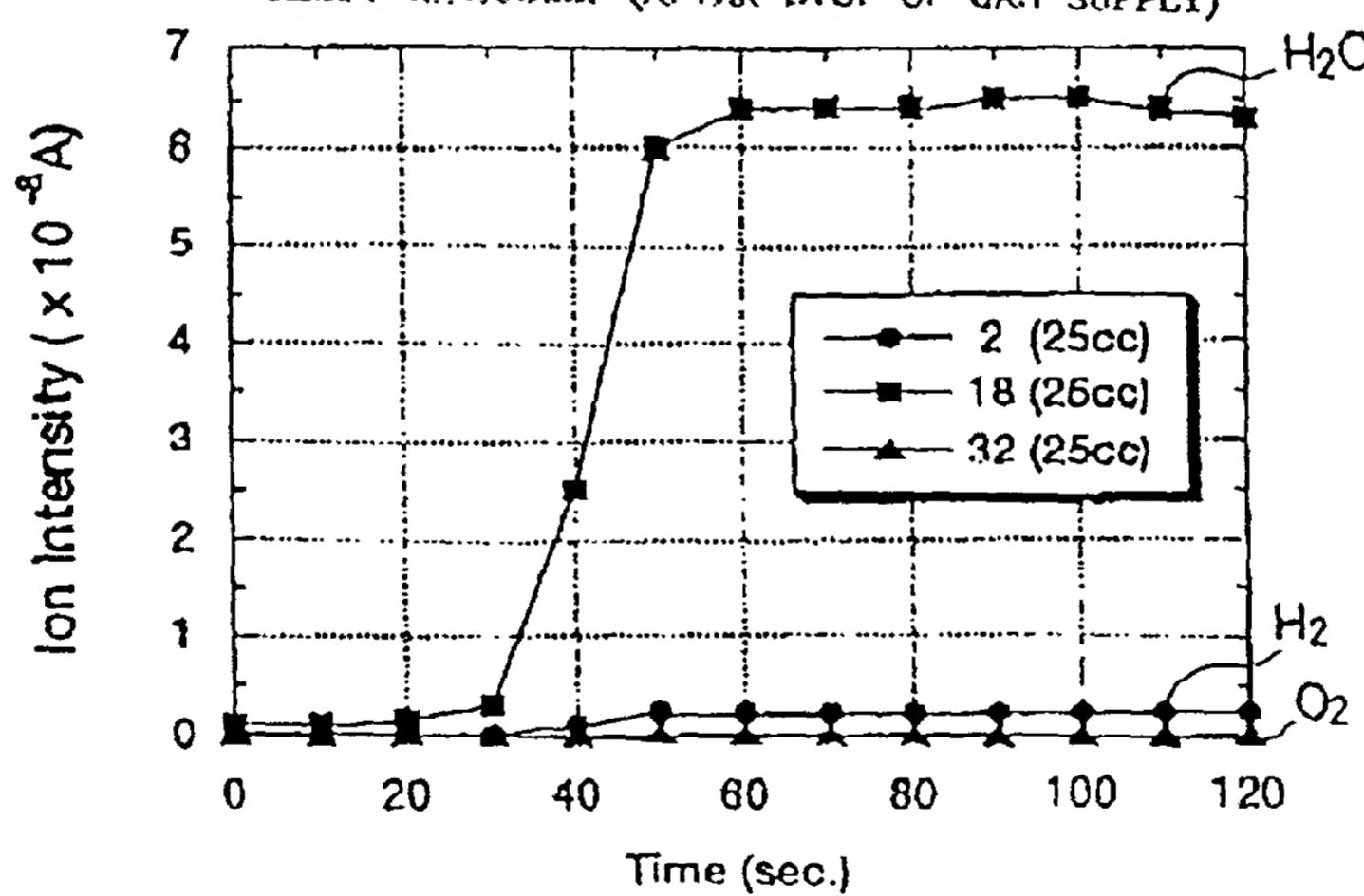


Fig. 25

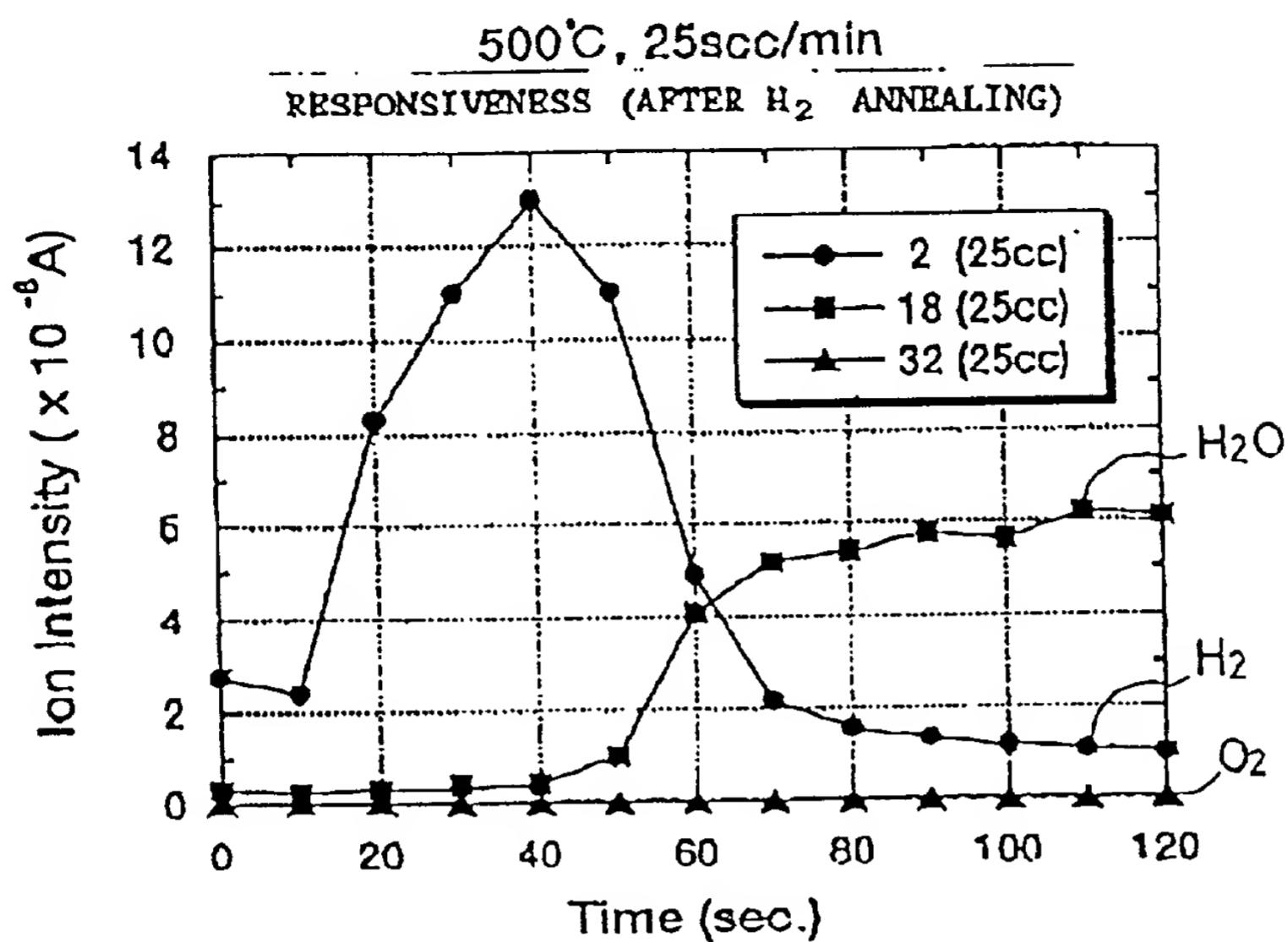


Fig. 26

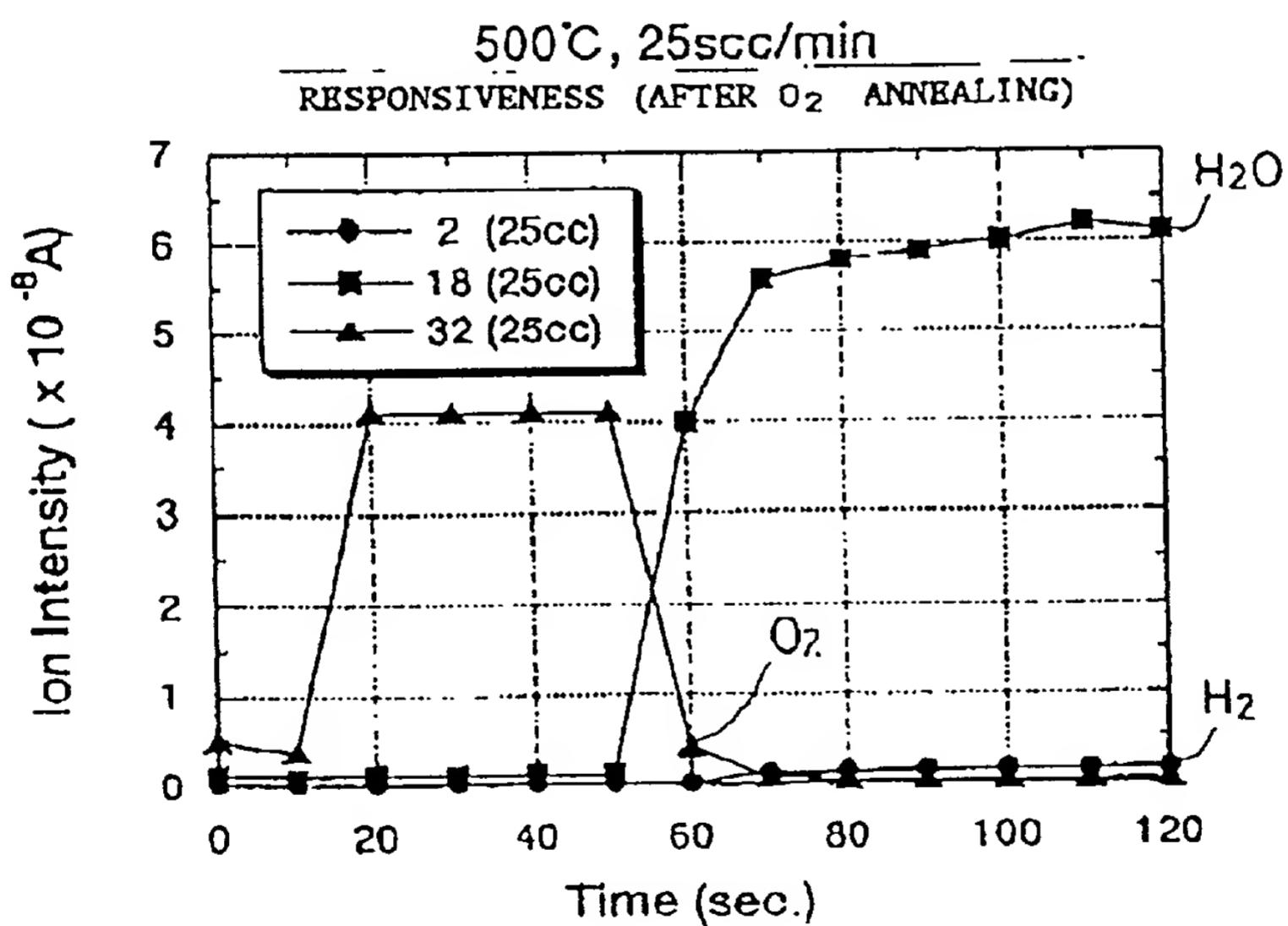


Fig. 27

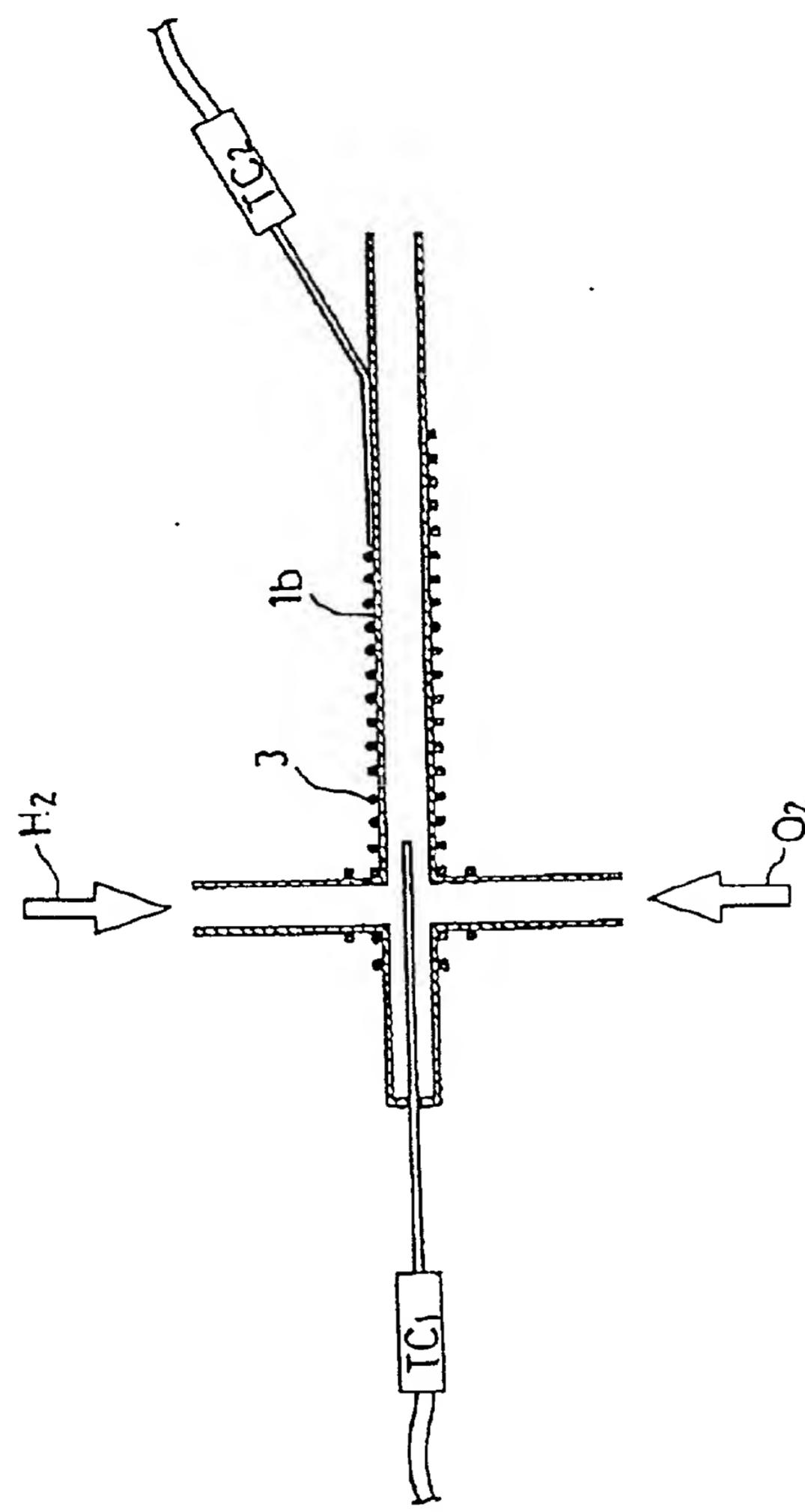


Fig. 28
28

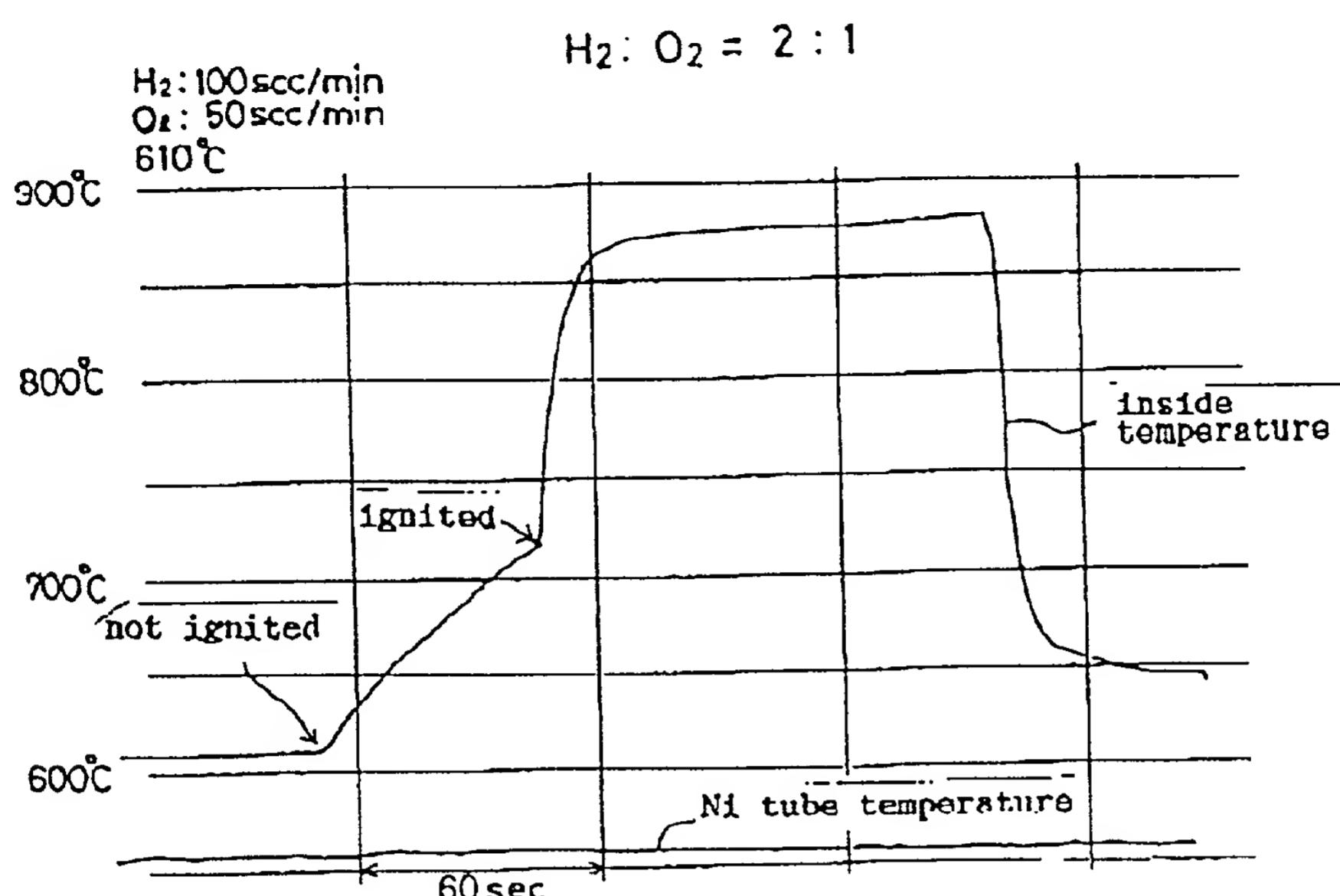
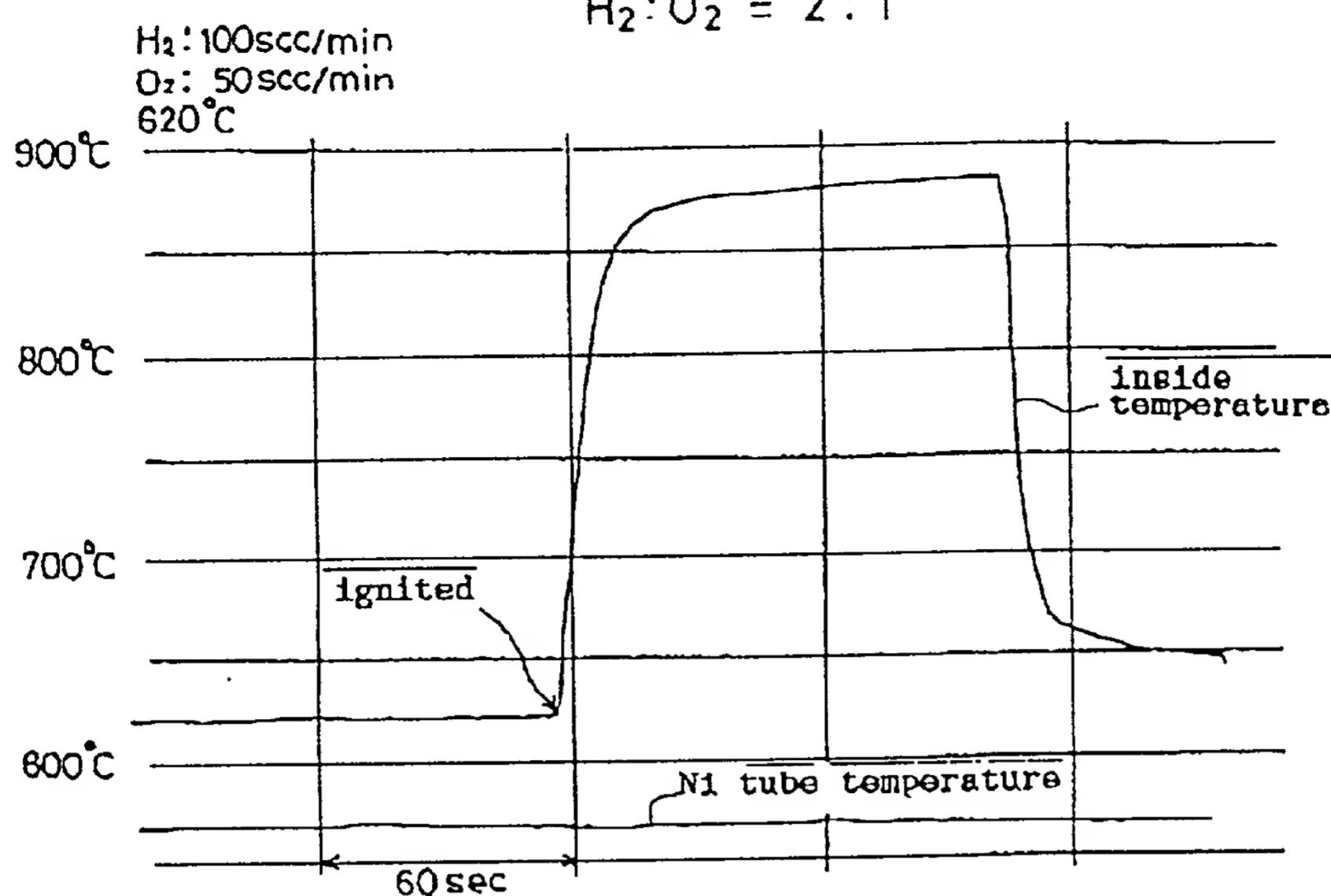


Fig. 29

~~Fig.~~ 29

$H_2 : O_2 = 2 : 1$



~~Fig.~~ 30

$H_2 : O_2 = 3 : 1$

$H_2 : 100 \text{ scc/min}$
 $O_2 : 33 \text{ scc/min}$
 610°C

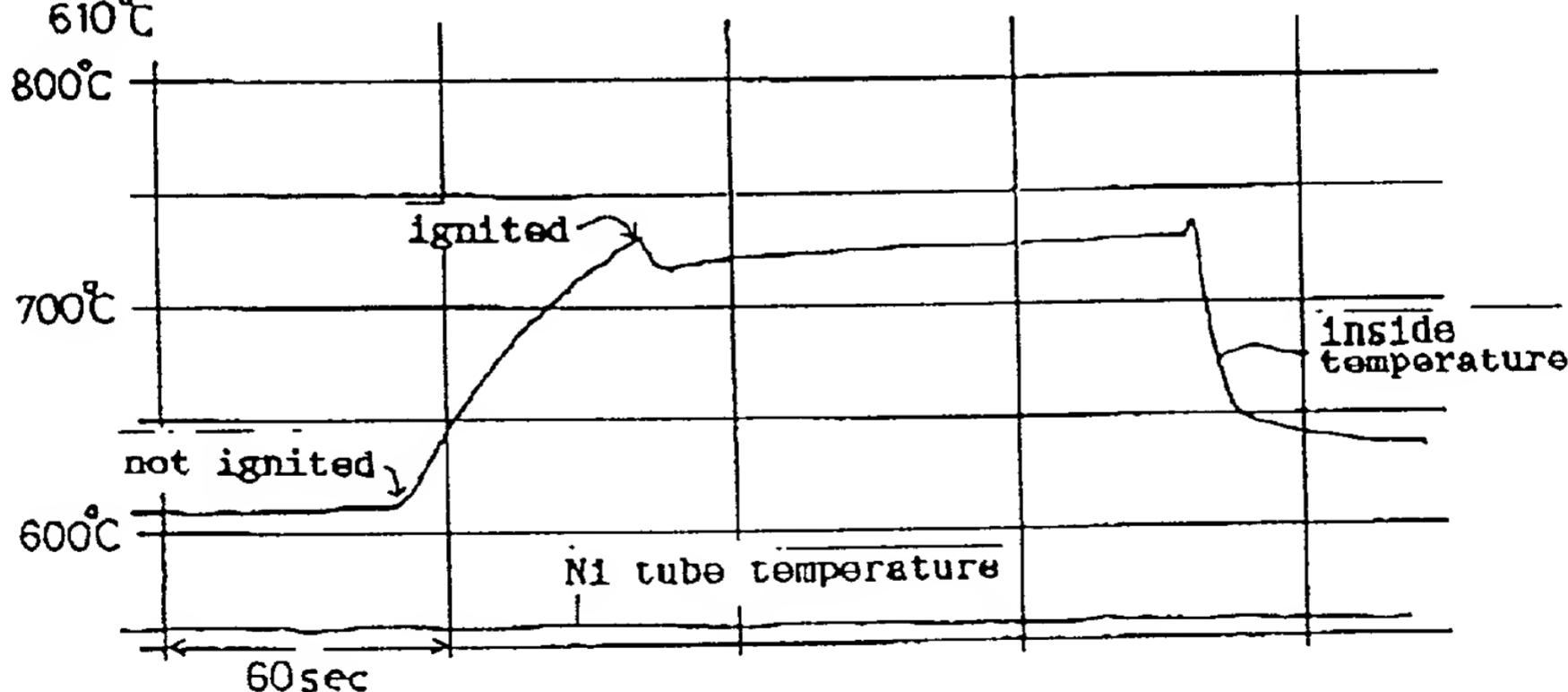


Fig. 3)



$H_2: 100 \text{ scc/min}$
 $O_2: 33 \text{ scc/min}$
 620°C

$H_2: O_2 = 3:1$

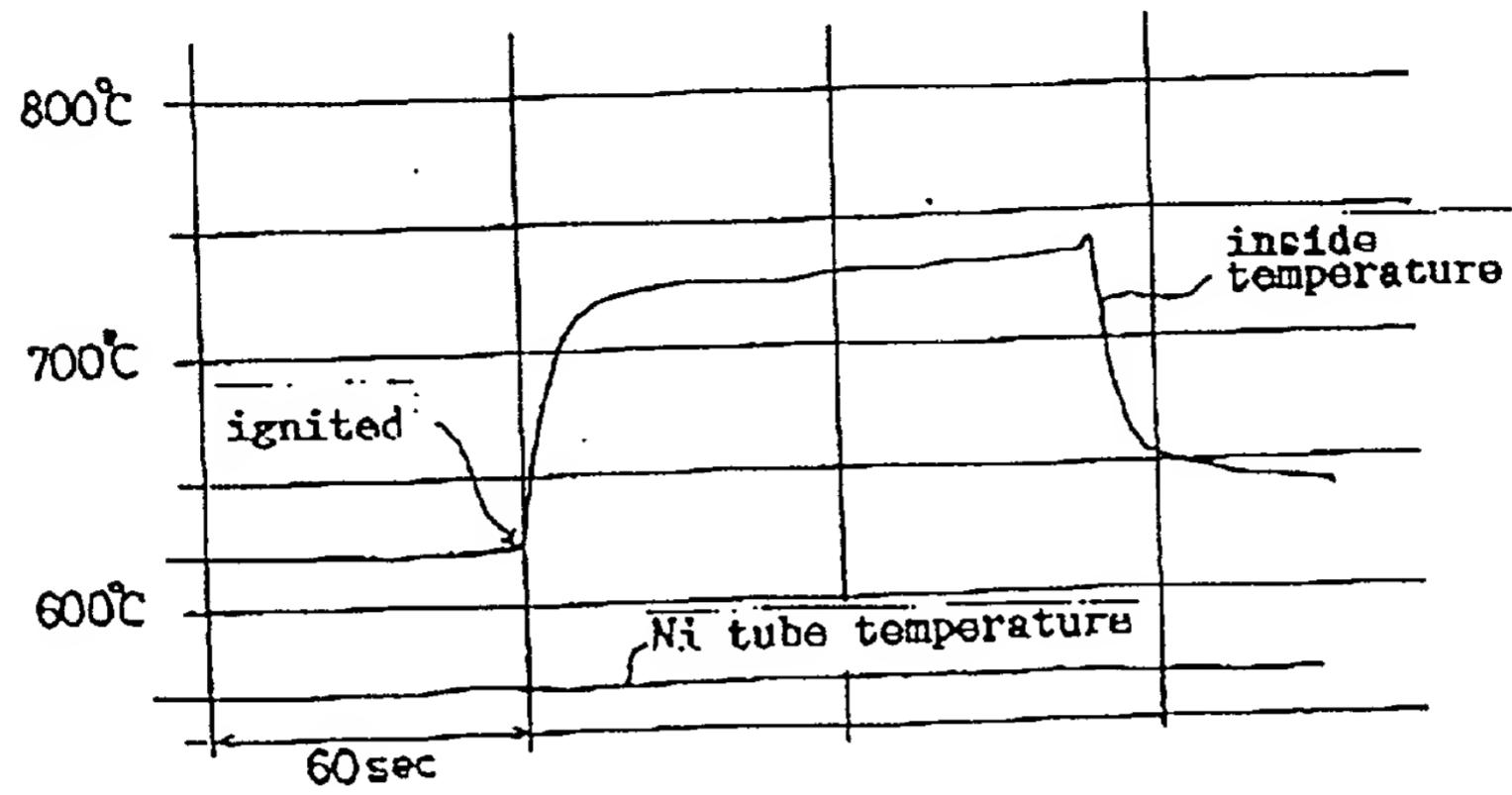


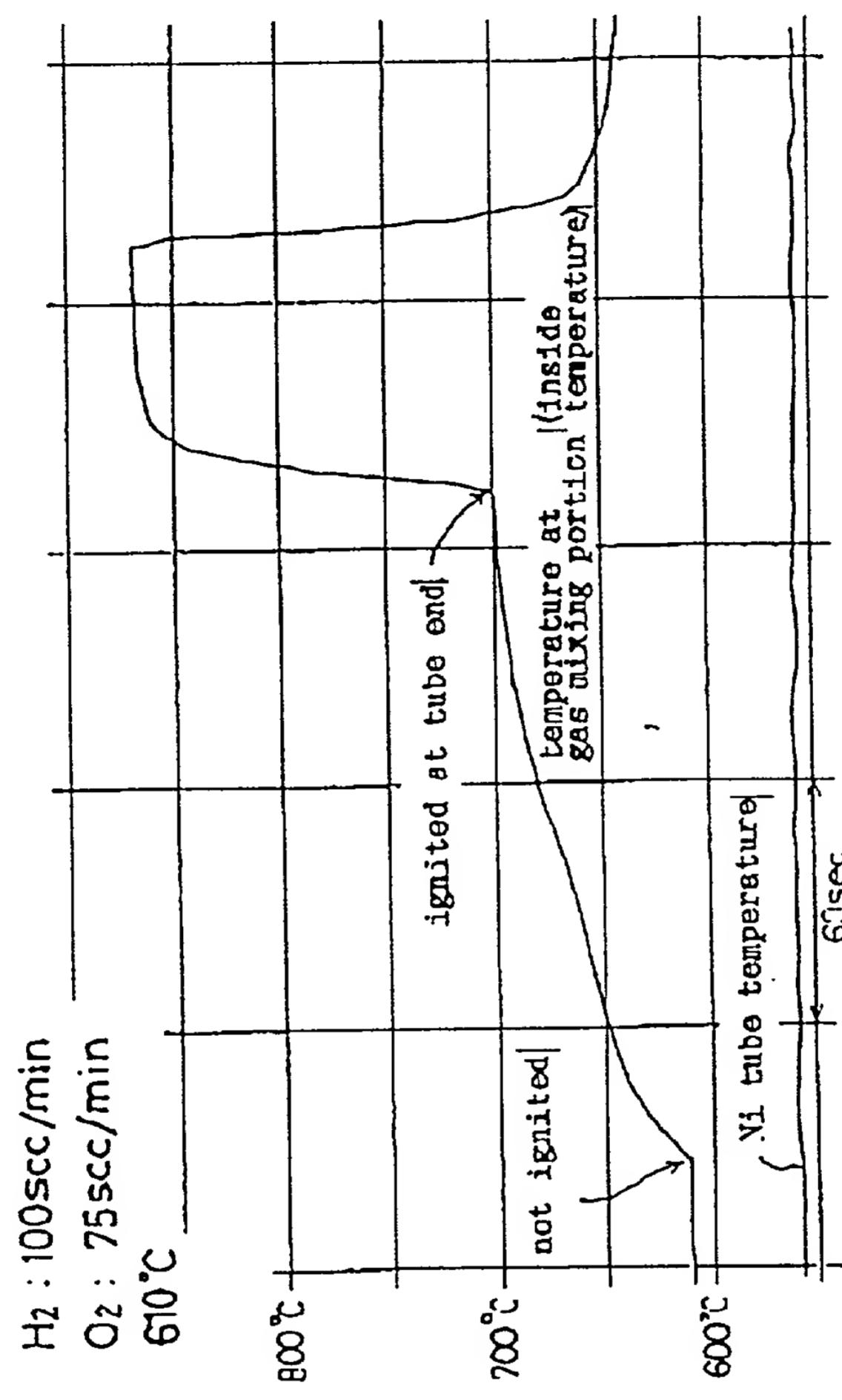
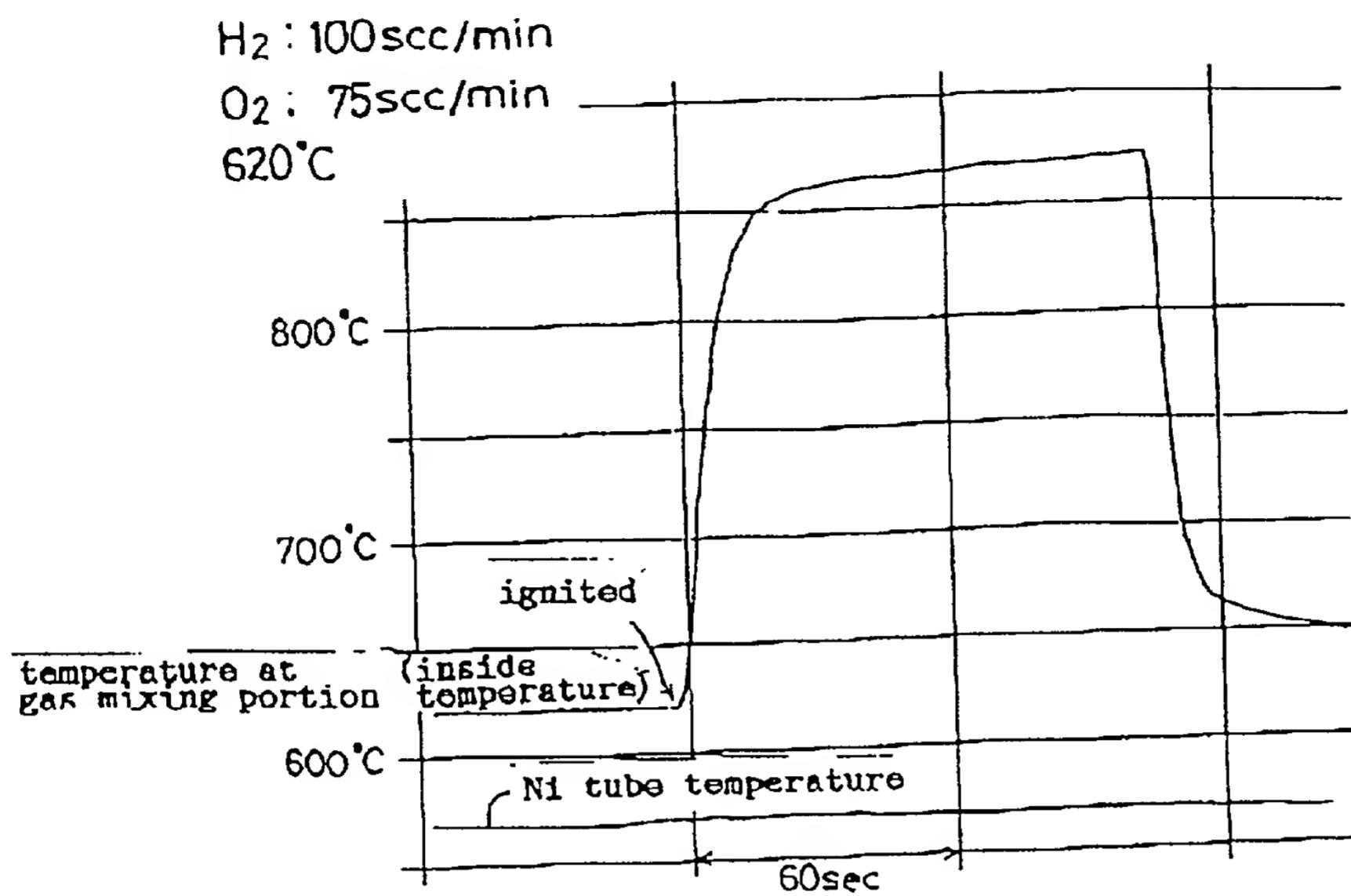
Fig. 32
~~32~~ $H_2 : O_2 = 4 : 3$ 

Fig. 33

33-32



34-34

Fig. 34

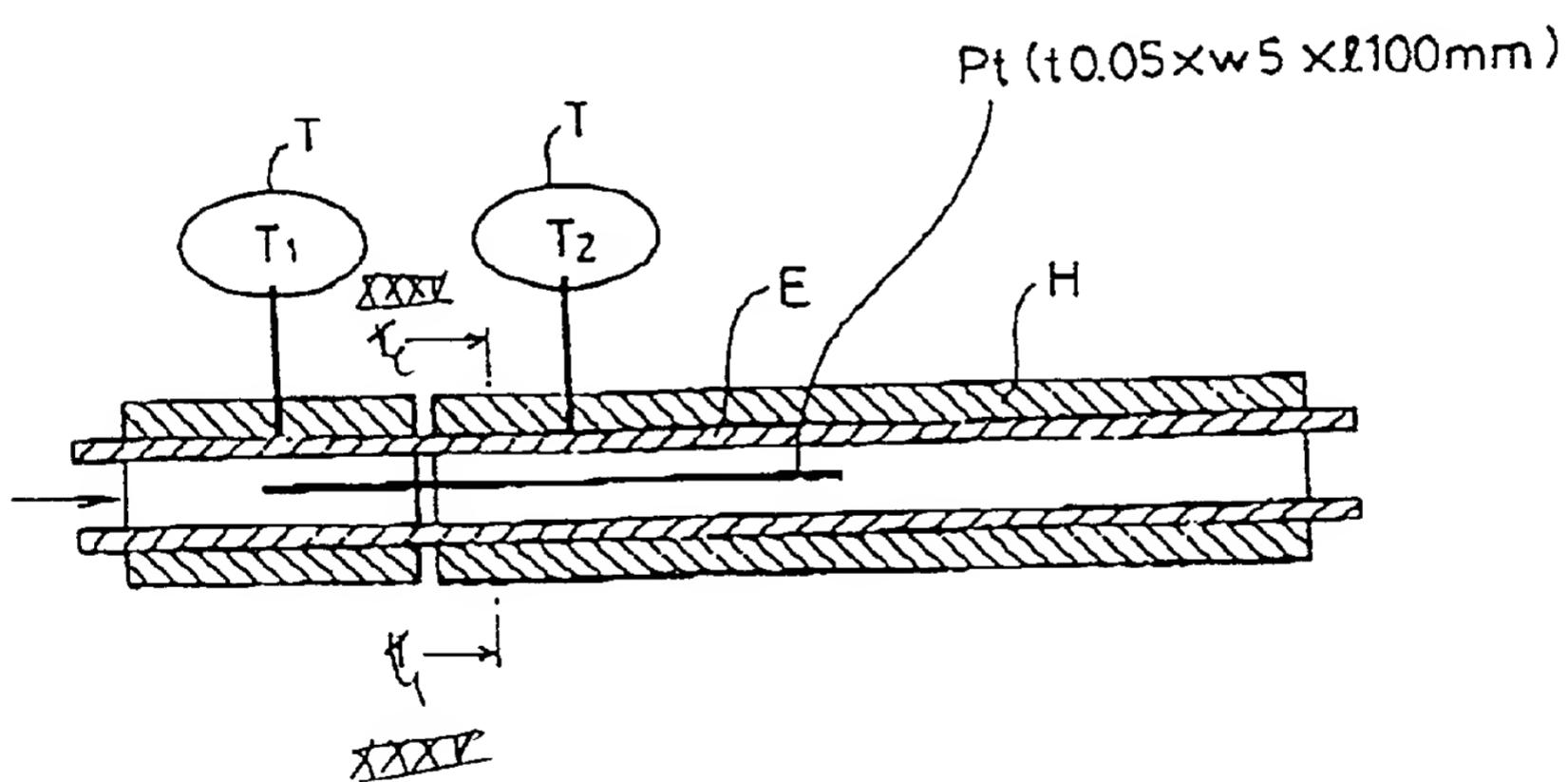
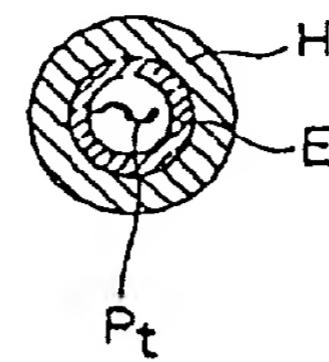
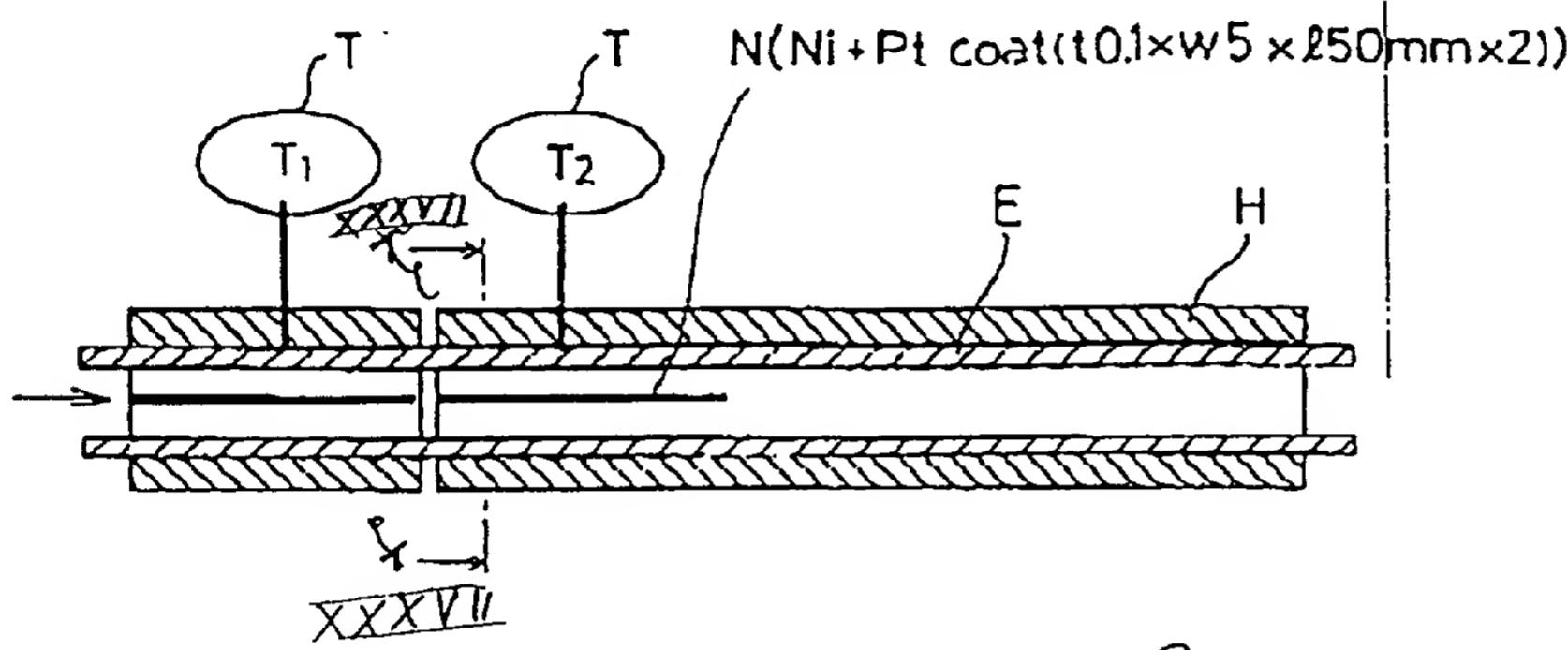


Fig. 35
~~Fig.~~ 35



~~Fig.~~ 36 Fig. 36



~~Fig.~~ 37 Fig. 37

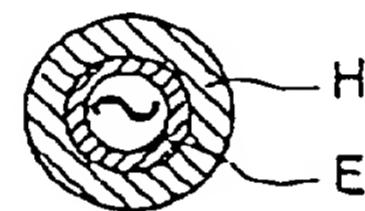
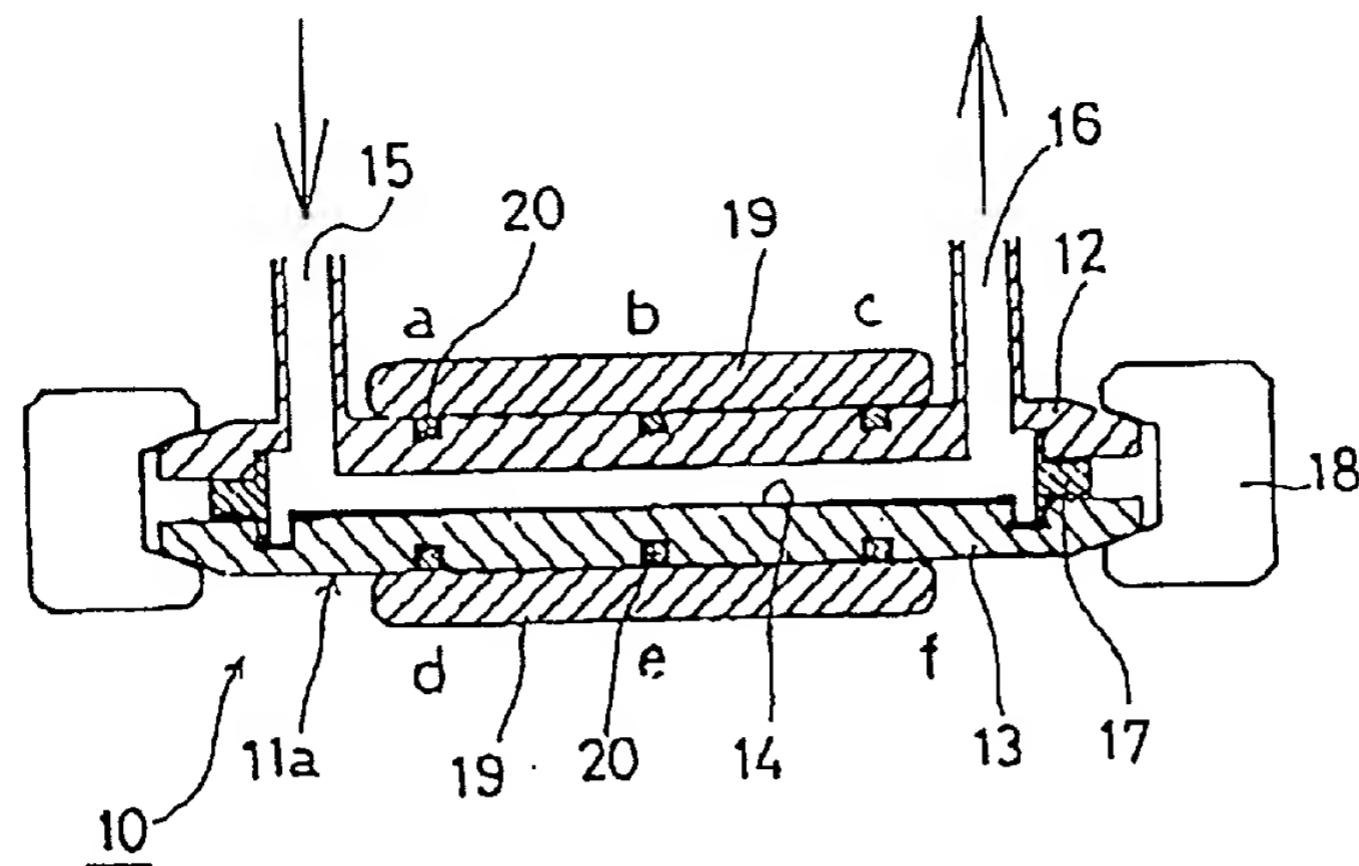


Fig. 38
-38-



-39- Fig. 39

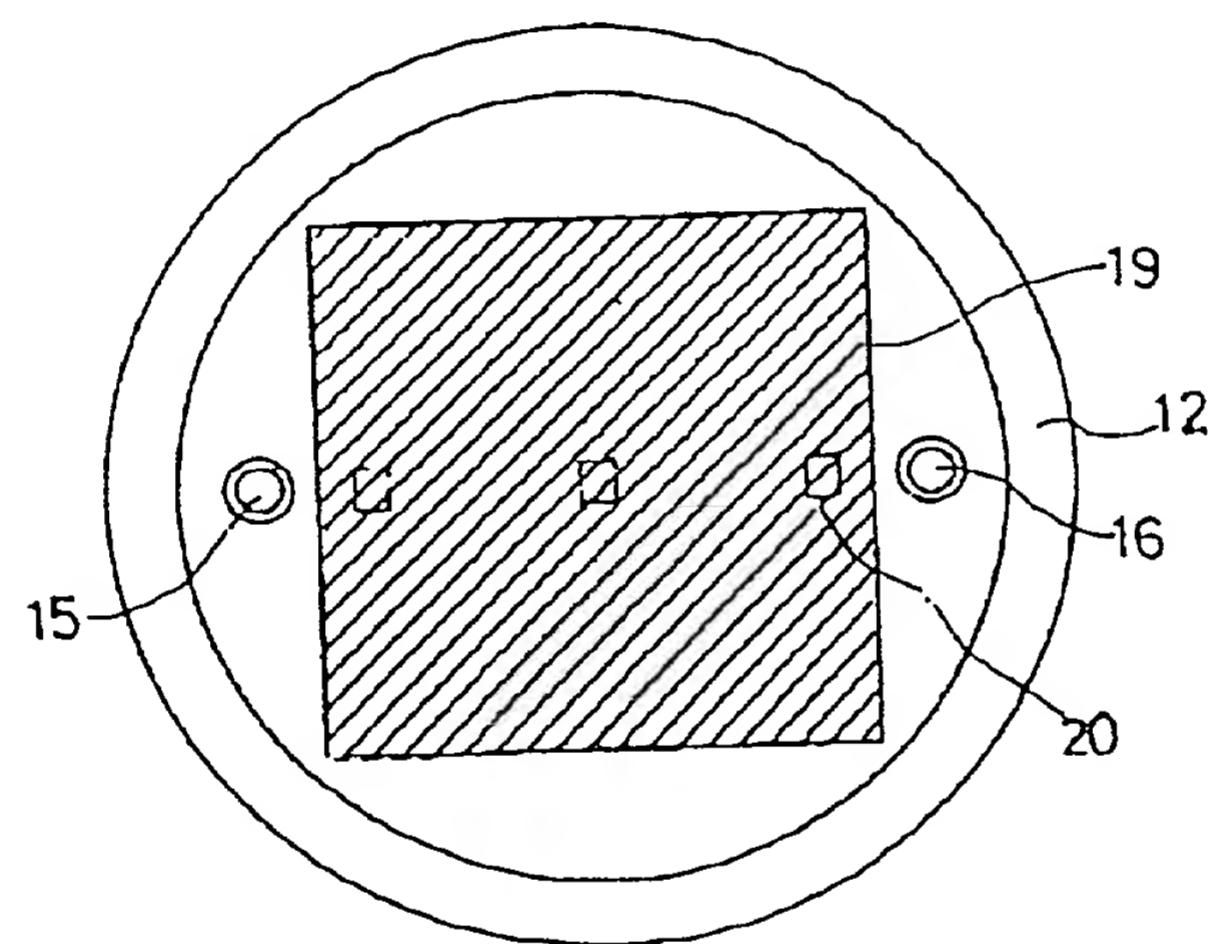


Fig. 40
~~Fig. 40~~

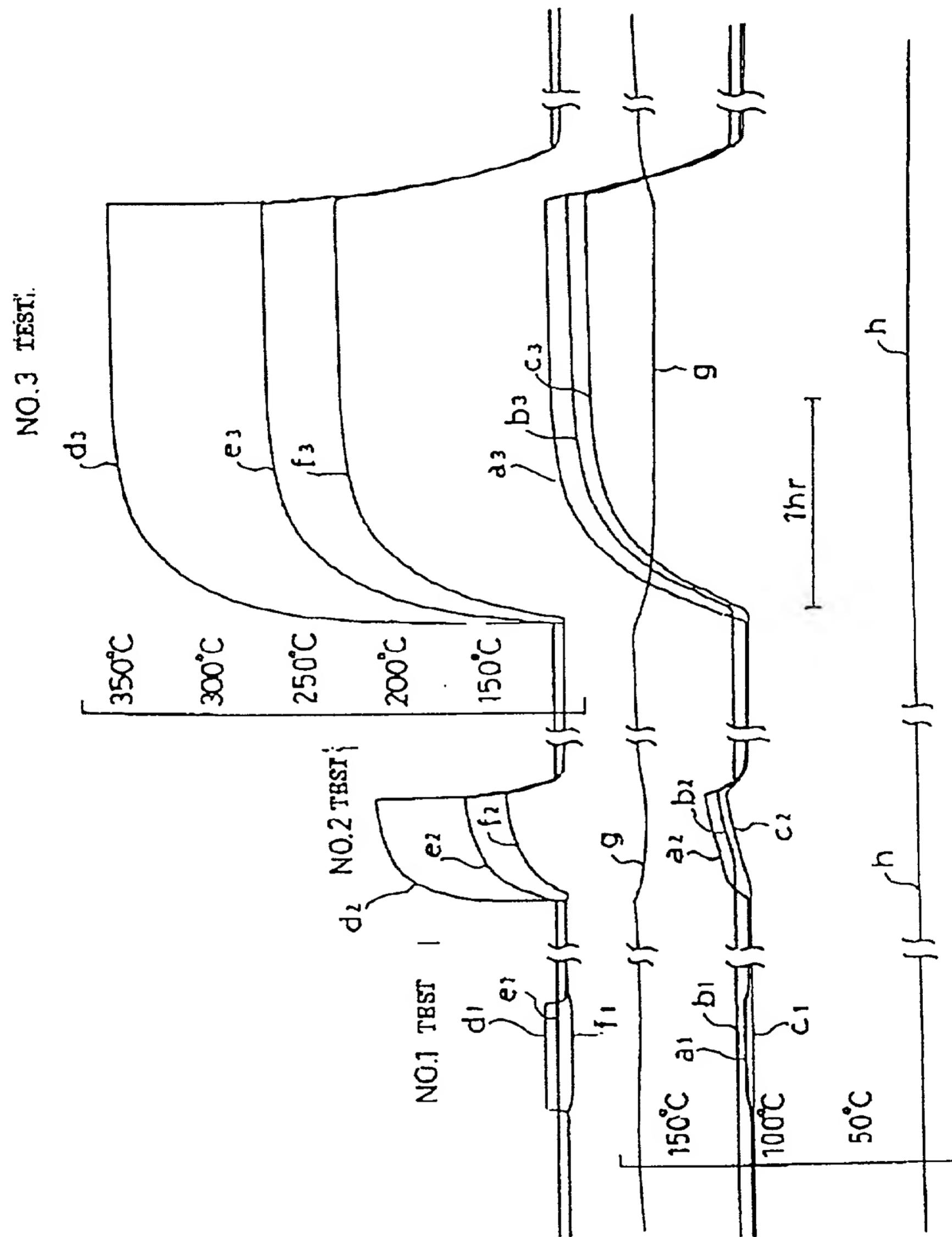


Fig. 41
41

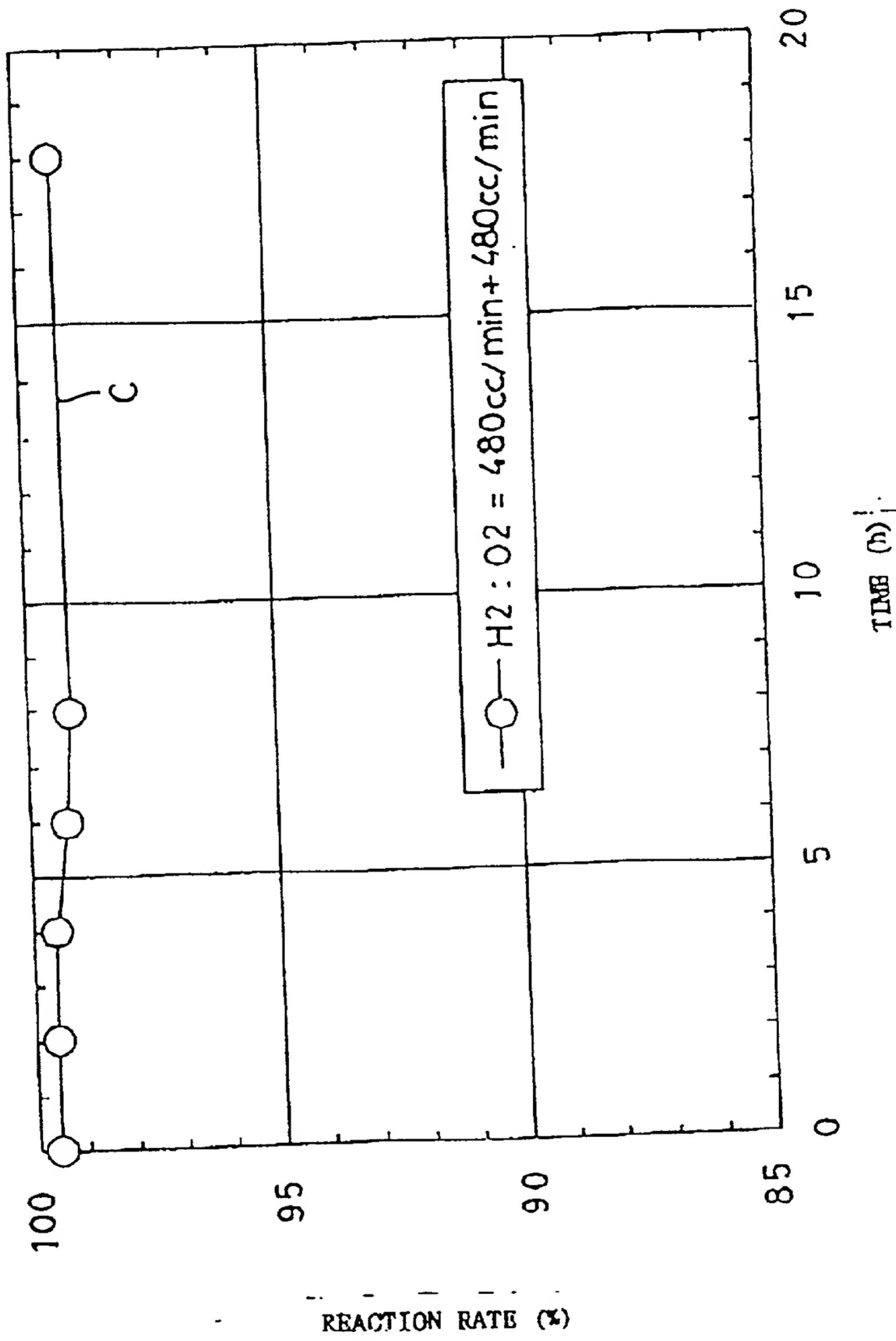
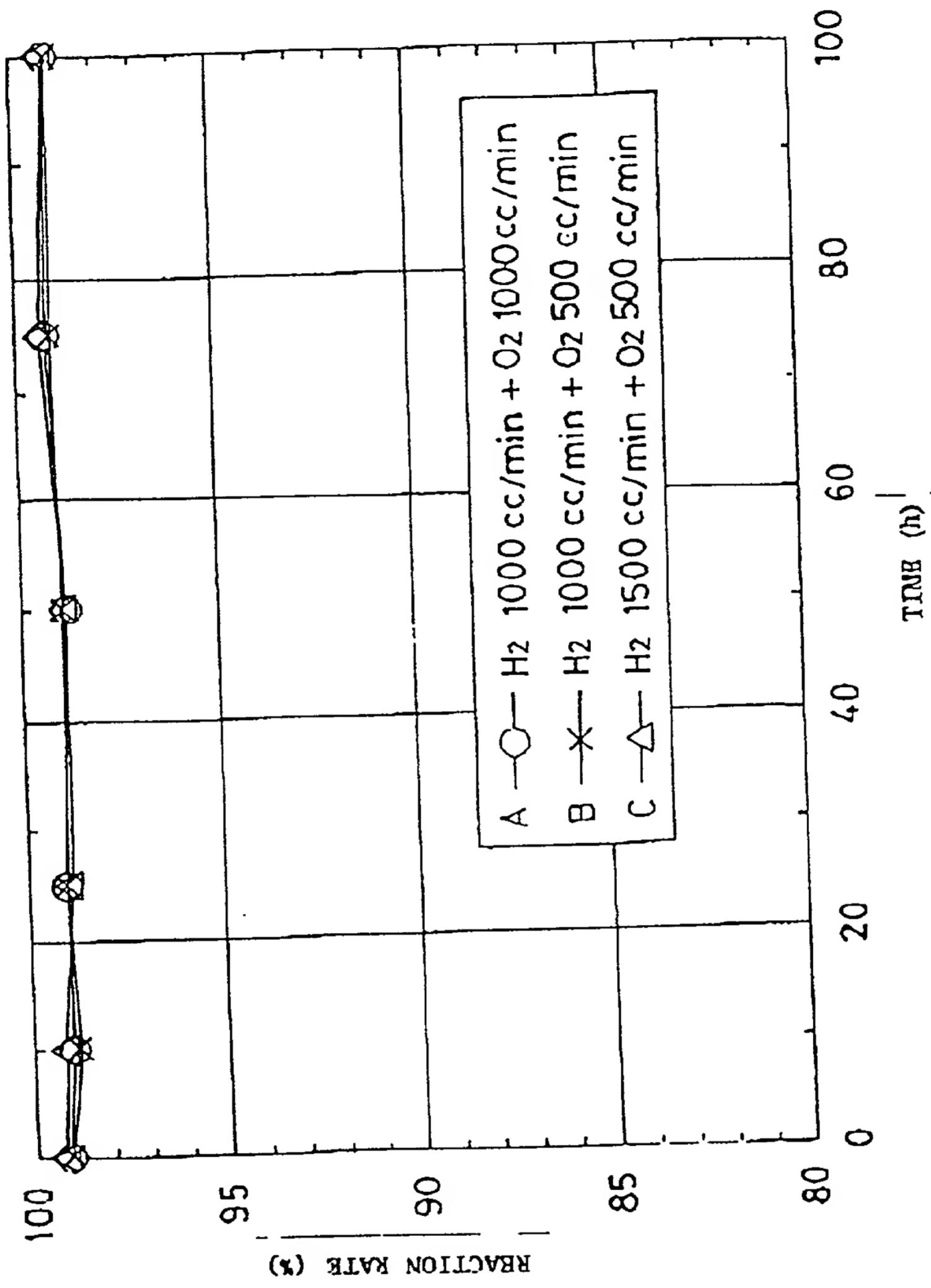


Fig. 42



43

Fig. 43

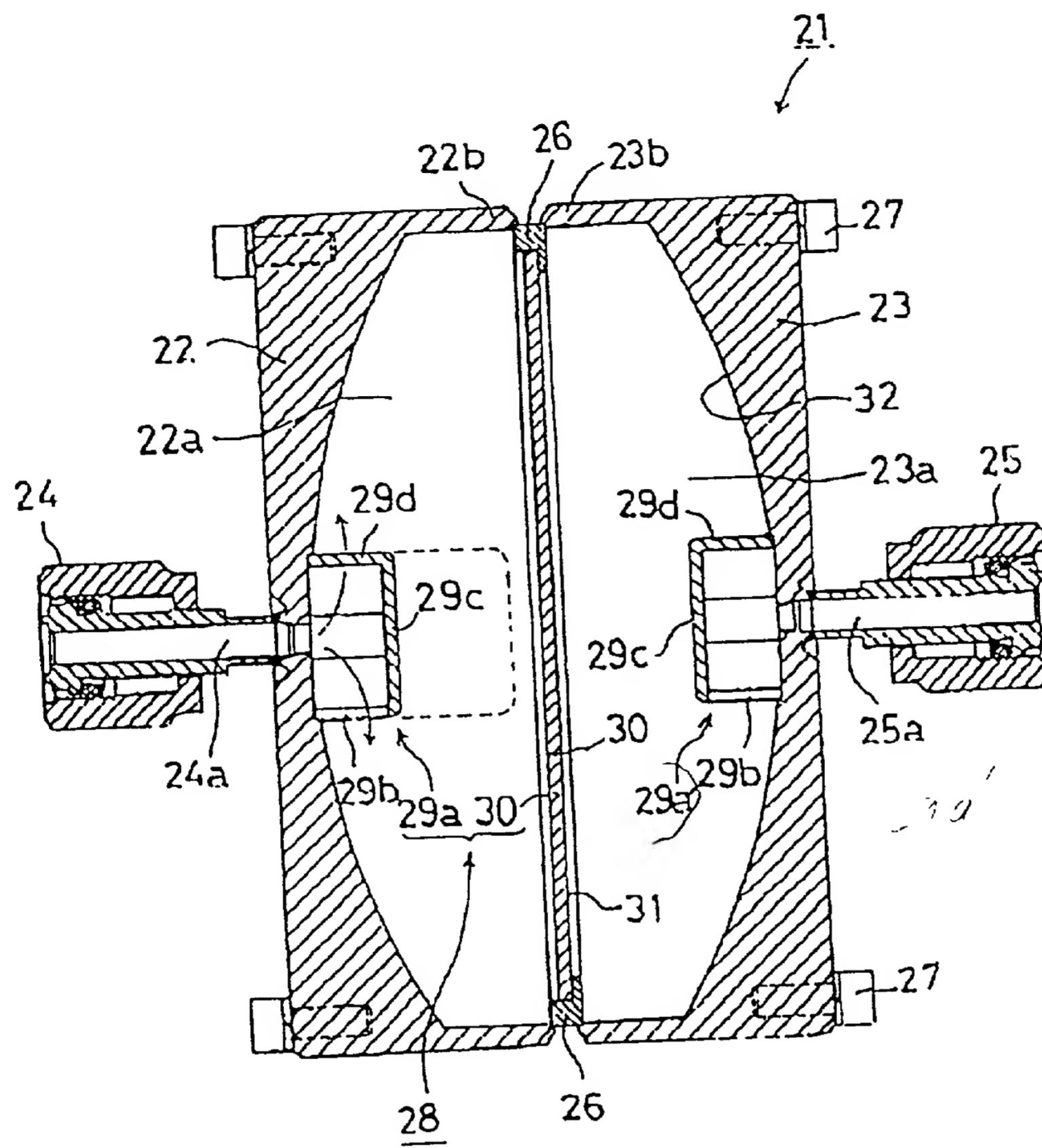


Fig. 44

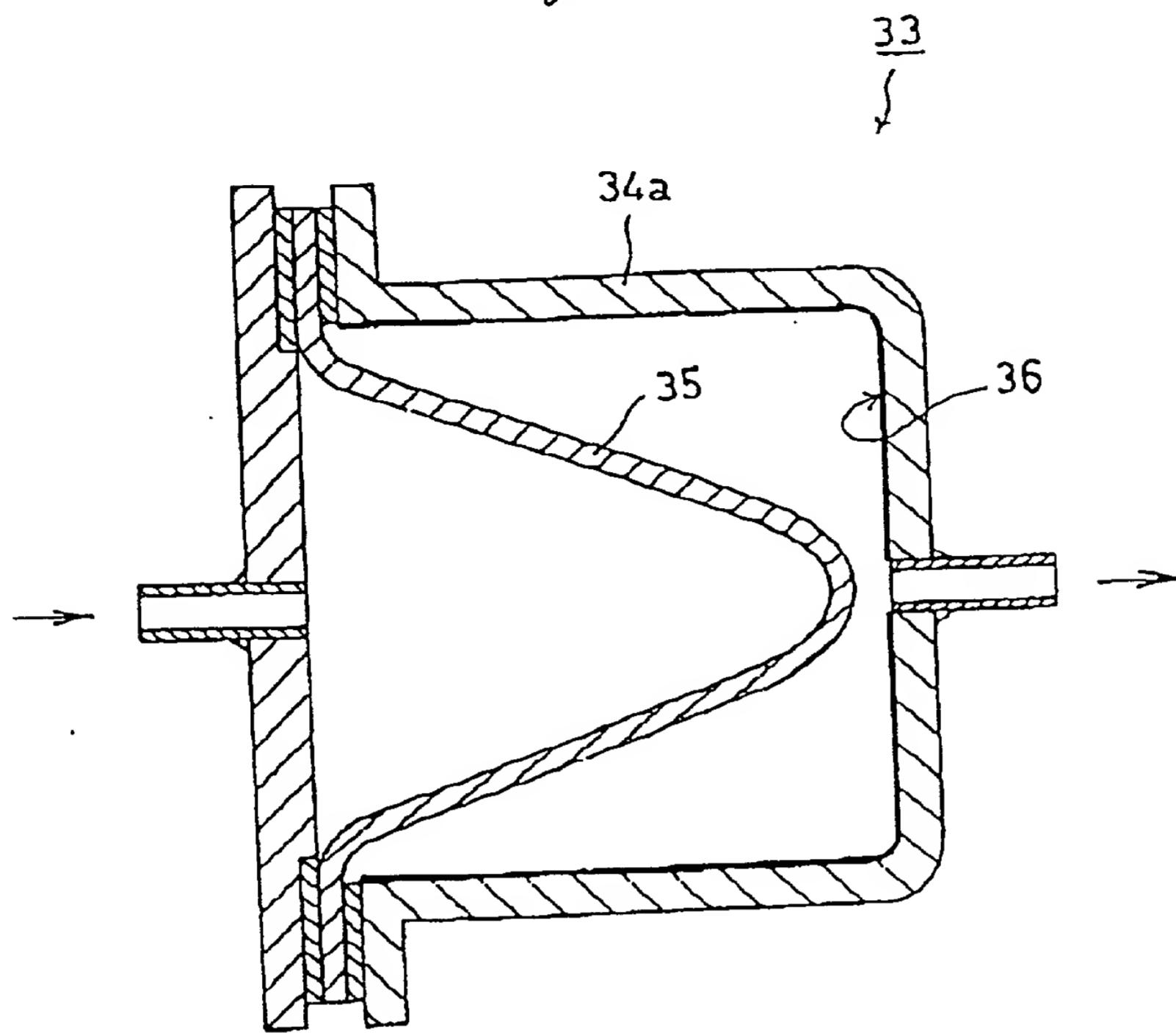


Fig. 45
45

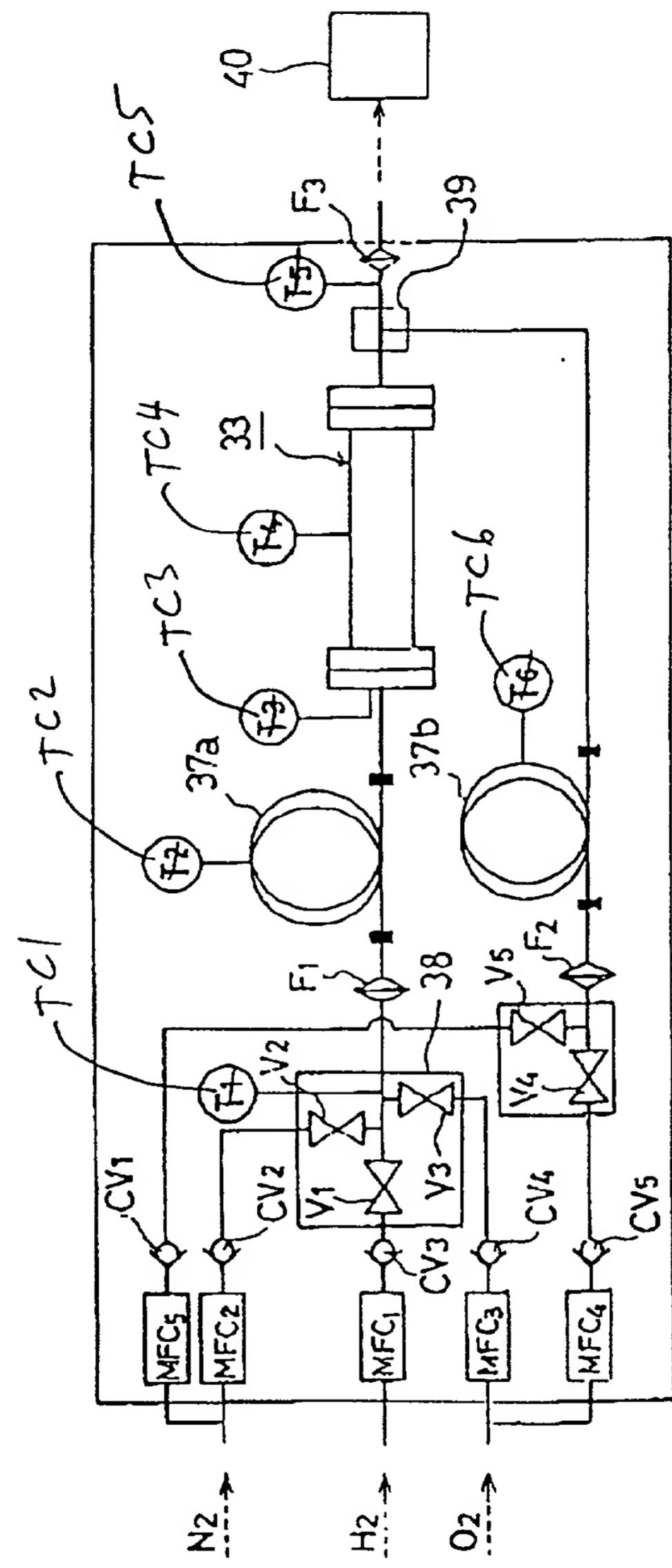
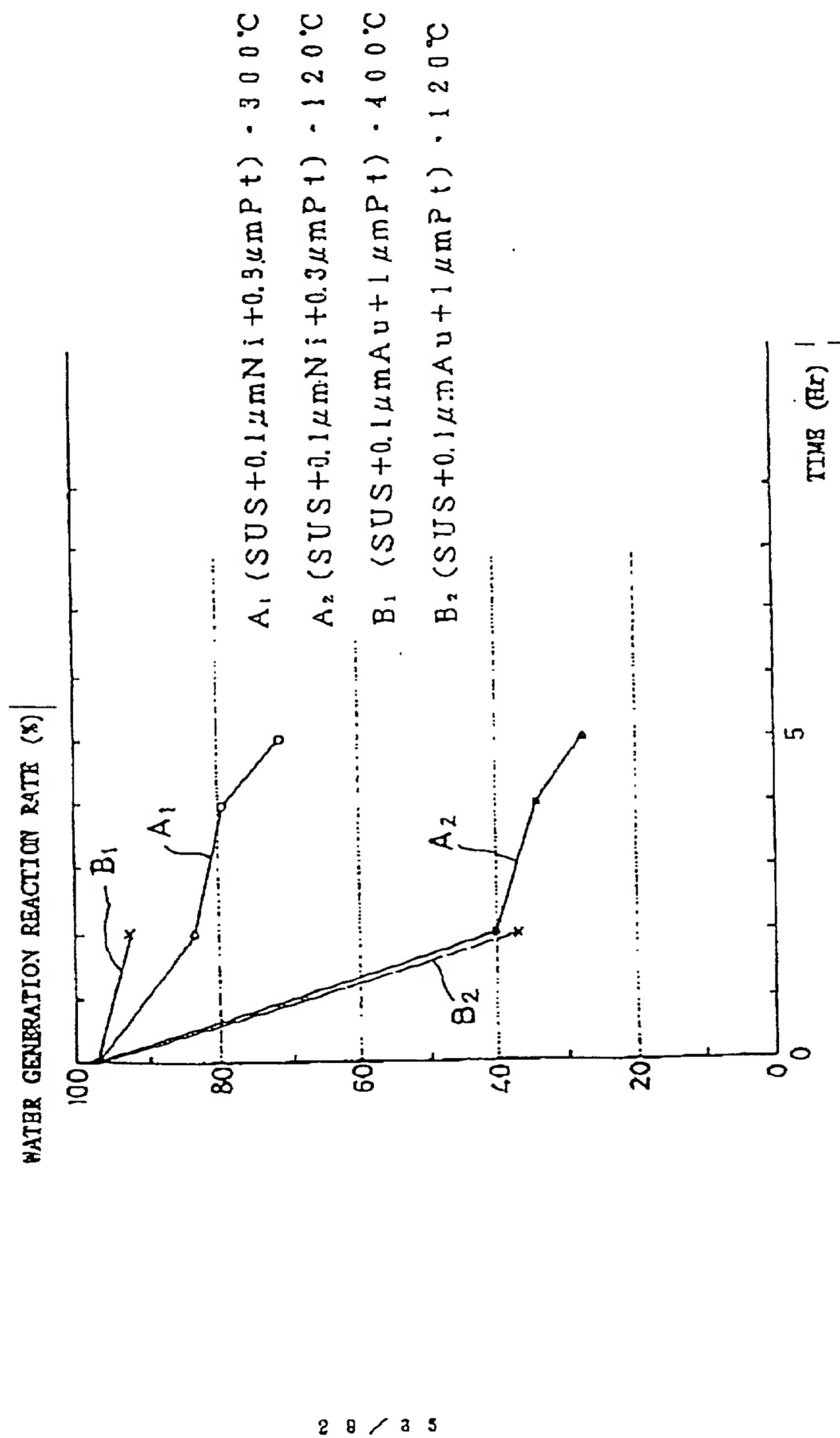


Fig. 46



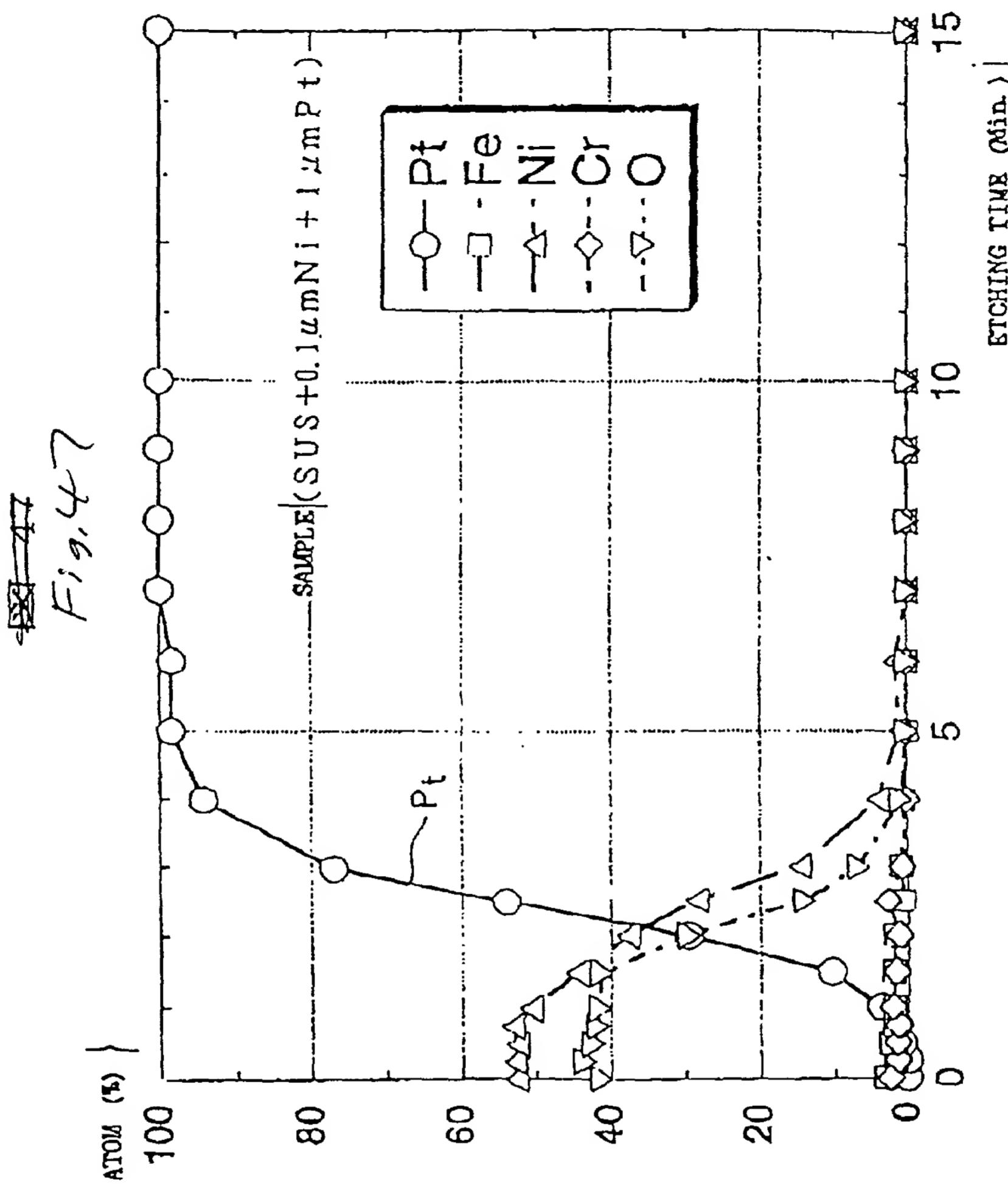
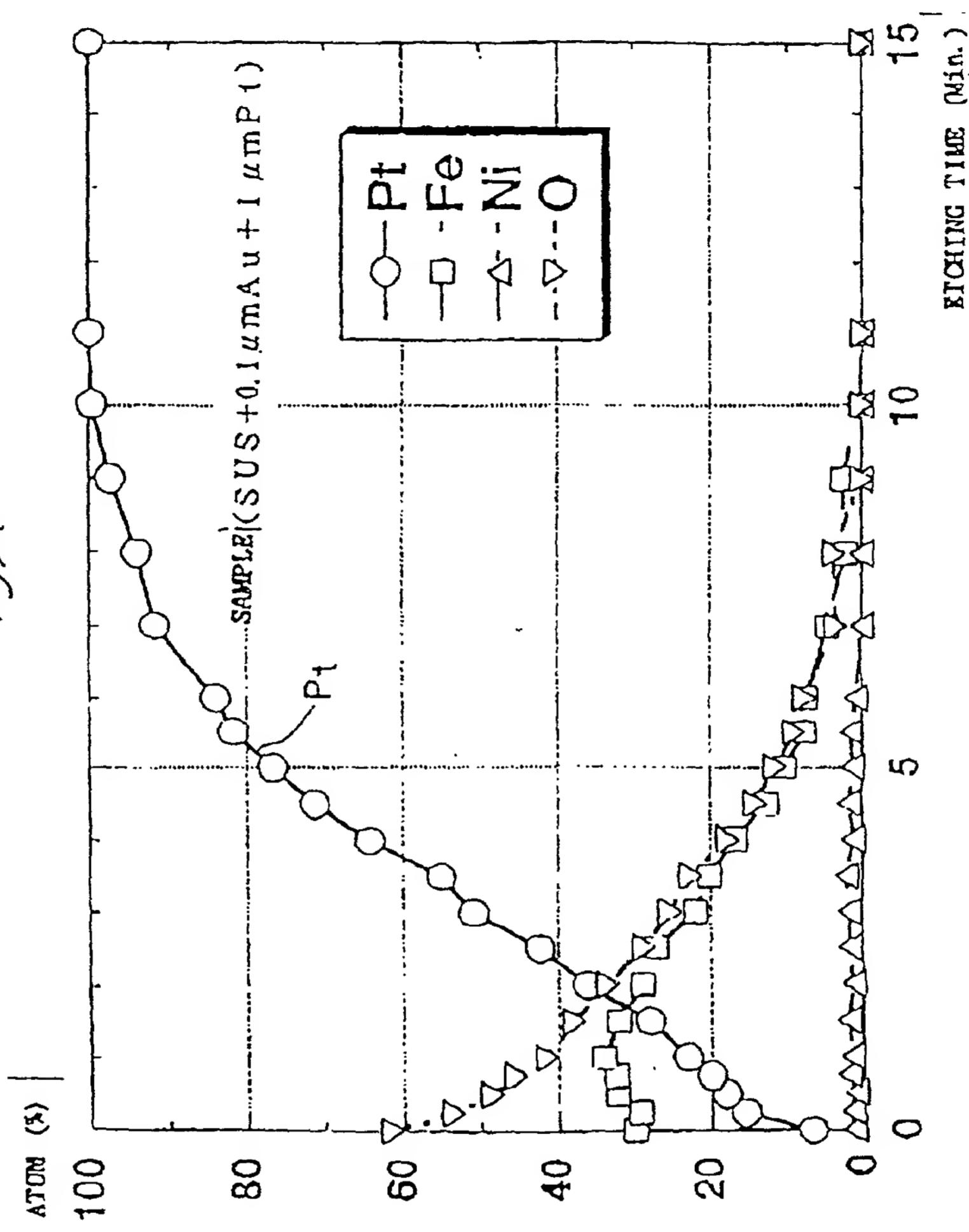


Fig. 48



~~Fig. 49~~
Fig. 49

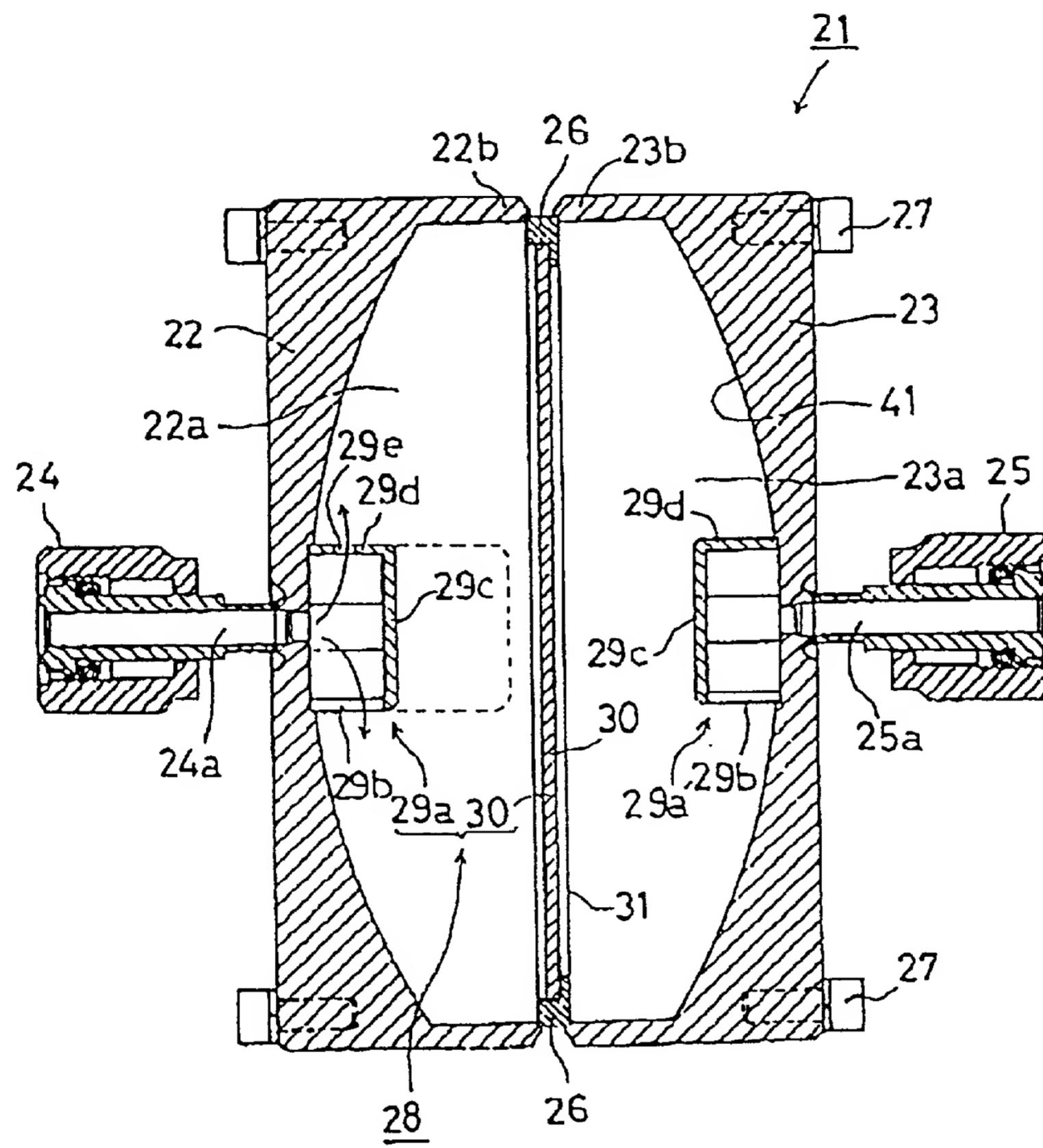
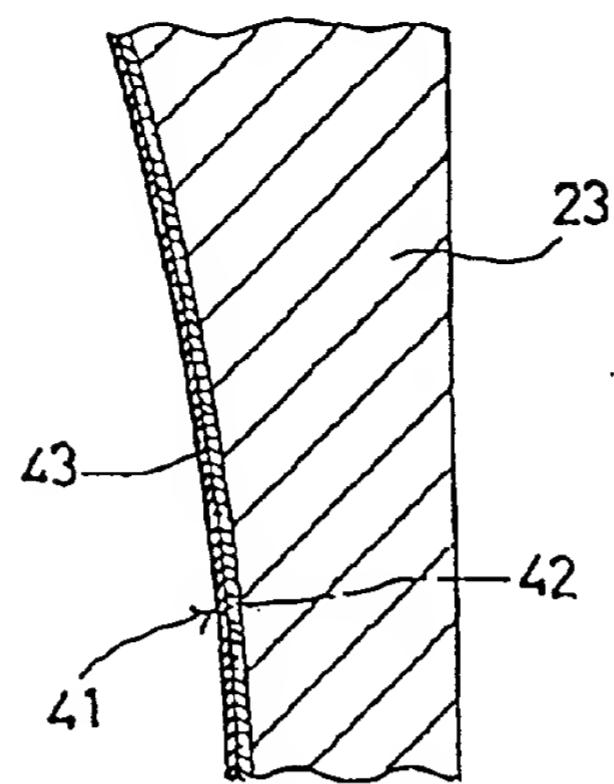


fig. 50

— 50



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Fig. 5/
~~51~~

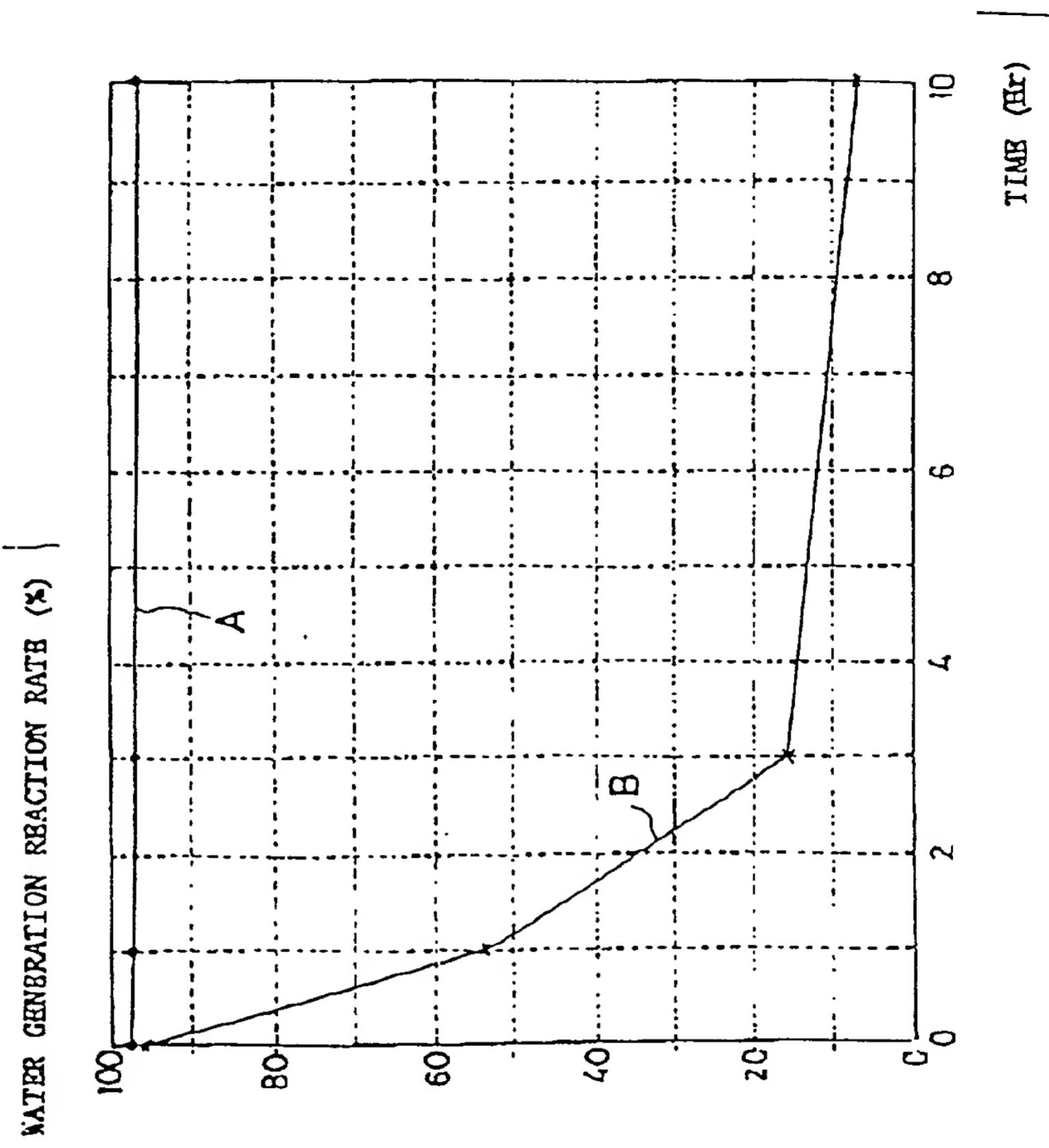


Fig.52

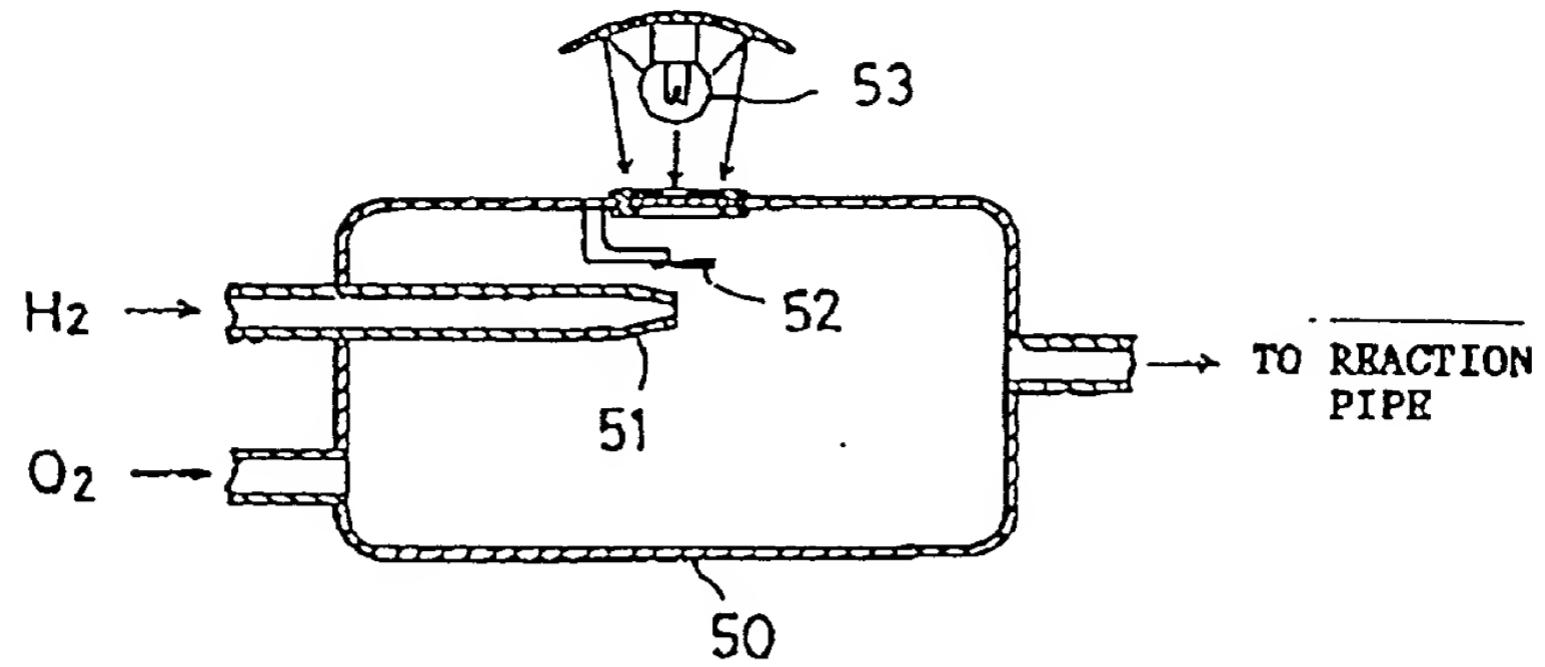


Fig.53

